Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

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Naval Stores Antitrust Suit Filed by Justice

The Savannah Cotton & Naval Stores Exchange, Inc., and seven corporations dealing in gum rosin and gum turpentine were charged with violating the antitrust laws by the Department of Justice in a civil complaint filed October 11 in the federal court in Savannah, Ga. The complaint alleges a conspiracy to fix the prices posted for these products on the Savannah Exchange and the prices at which crude gum, rosin and turpentine are purchased from farmers and central distilleries.

The defendants, in addition to the Savannah Cotton & Naval Stores Exchange, are:—Columbia Naval Stores Company of Savannah; Columbia Naval Stores Company of Fitzgerald; Columbia Naval Stores Company of Hazelhurst; Columbia Naval Stores Company of Jesup; Columbia Naval Stores Company of Tifton; Turpentine & Rosin Factors, Inc., and Pine Tree Products, Inc.

The complaint charges that the prices for rosin and turpentine posted on the Savannah Exchange as the official market prices are unofficial and fictitious, and are established by application of certain arbitrary formulae, and, in large part, by fictitious sales between affiliated companies.

The complaint also alleges that although only 8 percent of all gum turpentine and 4 percent of all gum rosin produced are

—*Continued on page 74*

Naval Stores Conservation Program for '51 Announced

The 1951 Conservation Program for naval stores was announced October 9 by the Department of Agriculture. As compared with the 1950 program, there are several changes in rates and four additional naval stores practices in the 1951 program.

The naval stores practices under which a naval stores producer may qualify in the 1951 Program, effective January 1, 1951, are:—

(1) Diameter cupping—nine inches, payment of 2 cents per face for each properly installed first-year face on trees not less than nine inches in diameter; (2) continuation—cupping—nine inches, payment of one-half cent for continued proper working of each second, third, fourth and fifth year face on trees not less than nine inches diameter at breast height; (3) diameter cupping—ten inches, payment of 3½

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U.S. Considering Buying Foreign Benzol, Alcohol

Consideration is being given by the government to the purchase of benzol and industrial alcohol from foreign sources to augment domestic supplies needed to fill the requirements of these materials in the synthetic rubber program.

It is reported that France has considerable supplies of both materials and has made offers to this country which are now being discussed among the policy makers and programming officials. Between 10,000,000 and 12,000,000 gallons of alcohol is said to be available. This is in addition to about 10,000,000 gallons of alcohol that has previously been contracted for to start operations at the two butadiene plants recently reactivated by the government.

NSRB Supervising Tax Claims for Plant Expansion

The chairman of the National Security Resources Board was named in an executive order October 13 as the "certifying authority" for manufacturers and other producers who seek to take advantage of the federal tax benefits when they expand their plants for defense production.

Certificate applications will be filed and reviewed by the appropriate agencies of the government, such as the departments of commerce, defense, interior and agriculture, and then passed on to the resources board chairman for final action.

Virginia, Valencia Peanut Surplus Offered by CCC

The Production and Marketing Administration of the Department of Agriculture announced last week that 1950-crop Virginia and Valencia-type peanuts acquired by the Commodity Credit Corporation from acreage in excess of the 1950 allotted acres will be offered for sale by CCC for edible use at prices not less than 105 percent of the applicable support prices for edible peanuts plus reasonable carrying charges.

Price Trend Makes Slight Gain

Some strength was reported in the markets for heavy chemicals and acids, fats and oils, botanicals and essential oils last week and the overall price index number rose 0.2 point. It was 11.1 points above that of last year.

Advancing tendencies in heavy chemicals were reflected in commercial ammonium phosphate, the calcium and sodium phosphate compounds, salt cake, sulphuric acid and tin salts. Increased raw materials cost was given for the advances. Both light and dense soda ash were flowing more freely but the movement of chlorine had been delayed by need to get recently struck plants back in operation.

Shortages in virtually all basic products, except naphthalene, and in a wide range of intermediates distinguished the market in coaltar source chemicals. In shortest supply among the derivatives were monochlorobenzene and anilin. Pricewise, the only changes were slight advances in ADF imported cresylic acid and an imported crude naphthalene.

Although there was a noticeable slackening in consuming inquiry for oils and fats, active demand continued for delivery against current contracts. Menhaden, palm and sardine oils and carnauba wax were advanced, and cottonseed, linseed and tung oil and ouricury wax reduced.

The orange grades of shellac and Argentine casein showed weakness in the protective coatings materials market but otherwise prices were firm and gave indication of staying that way. Demand for most items remained at high level and there were still some shortages reported. Colors in general were steady. At least one source reported easing in the synthetic resins picture and natural resins were firm.

Menthol eased considerably as a result of greater supplies, causing a lowering of the average in the drugs and fine chemicals market. Benzocaine was advanced. There was no change to report in glycerin —shortage remained acute. The alcohol scarcity was reflected in ester solvents and fermentation source materials. Trading in codliver oil on the spot market had slowed considerably.

Both sides of the botanical market were on the dull side; medicinal items moved in moderate quantity under steady call and condimentals experienced a substantial recession in spot position trading. Strong items in the medicinal group included angelica and dandelion roots, ergot, juniper berries, papain and Mexican saffron.

It appeared that a peak had been reached in essential oil prices and a leveling off period might be expected. Replacements of most items continued to be tight. Movement of textile and leather chemicals was at a good pace. Buying interest continued quite steady and prices were firm. Among the agricultural chemicals, scarcity of nitrogenous process tankage and an active demand resulted in higher price. Castor pomace was advanced to a new high for the year.

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

Oct. 13, 1950	Oct. 6, 1950	Dec. 30, 1949	Oct. 14, 1949
137.8	137.6	124.8	126.7

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1950	1949	1947	1946	1941
January	123.2	142.0	150.9	135.3	107.3
February	121.3	140.4	151.9	135.4	110.3
March	121.8	137.6	154.9	135.2	111.9
April	121.0	133.6	152.3	134.9	115.5
May	120.6	131.2	146.1	135.1	118.2
June	120.7	128.7	143.9	135.4	121.9
July	122.8	128.1	142.5	137.7	123.5
August	128.8	128.9	140.4	136.6	128.2

Insecticide-Fertilizer Producers Told to Market Mixtures Slowly

Producers of insecticide-fertilizer mixtures were cautioned last week by S. A. Rohwer, assistant chief of the Bureau of Entomology and Plant Quarantine to move slowly in placing these new products on the market until more can be learned of the "side reactions" of such materials.

Speaking before the fourth annual convention of the Association of Economic Poison Control Officials, held at the Shoreham hotel, Washington, D. C., on October 7, Mr. Rohwer said that while the bureau has suggested the use of these mixtures on some soils and in some localities it is not yet ready to recommend all-out use in advance of further research on the new problems they create.

The one-day convention whose theme was devoted largely to the newer insecticides and the problems they create for the control officials, elected A. B. Lemmon of Sacramento, Calif., as president for the new year and E. W. Constable of Raleigh, N. C., as vice-president. J. F. Fudge, College Station, Tex., retiring president, became a member of the executive committee along with R. C. Berry of Richmond, Va., and A. J. Roberts of North Dakota. A. B. Heagy of College Park, Md., continues as secretary-treasurer.

Dr. M. D. Farrar, head of the entomology department of Clemson A. & M. College, Clemson, S. C., an unscheduled speaker at the meeting, first brought up the subject of insecticide-fertilizer mixtures and reported on the "remarkable" results that have been obtained from using these substances for controlling the sand wire worm and the corn red worm in the southeast.

He said that, while it has been shown that the addition of only a small amount of BHC to the fertilizer is sufficient for controlling these two worst pests of the southeast, it is also known that adverse effects result when the same mixtures are used on some other crops. Nevertheless, he added, some fertilizer manufacturers have disregarded this evidence and are offering the mixtures for use generally all over the area.

Speaking further along this line, Mr.

—*Continued on page 47*

Philippine Copra Output Estimated Lower in 1950

The Philippine Republic's production this year of coconut products—copra, coconut oil, and desiccated coconut—may reach 875,000 long tons of copra equivalent, according to Merrill W. Abbey, agricultural attache, American Embassy, Manila, in a report to the Office of Foreign Agricultural Relations. This will be about 25,000 tons short of expectations.

The tenor of the copra market in forthcoming months is difficult to forecast, Mr. Abbey reported, because of many unknown factors. Illustrative of how predictions can go wrong is the fact that in August competent observers concluded the near future copra market probably would not vary widely from the narrow range in which the price had fluctuated from mid-July through most of August. But the price rose 20 percent by mid-September.

Agriculture Dept. Sets Price Support Rates on '50 Corn

Corn price support rates for the 1950 crop ranging from $1.36 to $1.64 per bushel in commercial corn counties and from $1.02 to $1.30 per bushel in the non-commercial corn counties were announced last week by the Department of Agriculture.

Last year acreage allotments were not in effect for corn, and a support rate averaging 90 percent of the parity price was mandatory for all producing areas, making the national average support rate $1.40 per bushel. This year, with acreage allotments in effect in the "commercial" but not in the "non-commercial" area, support at the 90-percent-of-parity level is available only to the "commercial" area. For the "non-commercial" area, where acreage allotments are not in effect, the law limits support to only 75 percent of the 90-percent-of-parity level.

Supreme Court to Review Okla. Natural Gas Pricing

The Supreme Court of the United States agreed October 9 to review the authority of the Oklahoma Corporation Commission to fix the minimum price for natural gas.

The case reached the court on appeal by Cities Service Company and Phillips Petroleum Company against an order of the commission which prohibited the companies from taking gas out of the Guimon-Hugoton gas fields at less than a wellhead price of 7 cents per thousand cubic feet. Both the district court and the circuit court upheld the commission.

GSA Alters Specifications For China Fertilizer Bids

The emergency procurement service of General Services Administration last week announced a change in its specifications covering the proposed purchase of fertilizers for China scheduled to be opened today.

The agency said that the specifications have been changed to read "15,000 metric tons of nitrogenous phosphatic fertilizers" instead of "ammonium phosphate sulphate." The opening date for the bids also was changed from October 16 to 2 p.m. October 19. All other terms and conditions remain unchanged.

New RFC Director

W. Elmer Harber of Shawnee, Okla., was sworn in as a member of the board of directors of the Reconstruction Finance Corporation October 9. Mr. Harber is president of the American National Bank of Shawnee and also head of the First National Bank, of Seminole, Okla.

Steel Sought for 10,000 Freight Cars per Month

Steel requirements for the construction of at least 10,000 new freight cars a month as well as for maintenance and repair of existing cars were discussed October 12 at a meeting of representatives of the railroads, freight car builders, and officials of the National Production Authority and Defense Transport Administration.

DTA, as claimant agency before NPA for railroad material needs, presented the proposed program on the basis of building and repair schedules for the first half of next year as supplied by car builders, rail specialty manufacturers and the railroads.

FSA Relaxes Restrictions On ACTH and Cortisone

Government controls on the use of ACTH and cortisone were eased October 11 in an announcement made by Federal Security Administrator Oscar Ewing. Mr. Ewing stated that the drugs, which are used in the treatment of arthritis and other diseases and previously have been restricted to hospitalized patients, may now be used on all patients in need of them. However, physicians are still the only persons allowed to administer the drugs to the patients.

Phosphate Lease Offered

A phosphate lease on eighty acres of land in Bingham Country, Idaho, will be offered to the highest competitive bidder at a sale to be held November 22 by the Bureau of Land Management.

The sale will be held by the bureau director in his office at Washington, D. C. The minimum bid is $1 per acre, with leases to be issued to qualified bidders of the highest cash amount per acre as a bonus for the privilege of leasing under the phosphate provisions of the mineral leasing act.

DDT, Xylol Bids Asked

Among $760,000 worth of ECA-financed commodities, the Turkish Ministry of Public Health is seeking bids from American sellers on 600 tons of pure DDT and 277,200 gallons of xylol. Bids should be submitted on or before October 17 to the Ministry of Public Health (Saglik Bakanligi), Ankara, either directly or through representatives in Turkey.

Chemical Byproducts Distribution Control Powers Given Over to NPA

Distribution controls in the national defense program over chemical byproducts of the nonferrous metals and minerals, such as the oxides and sulphates, were lodged in the National Production Authority by agreement between the Departments of Interior and Commerce announced October 9.

Controls over the distribution of coke byproducts, although stated in presidential executive order 10161 to be assigned to Interior, also will be exercised by NPA. This is on the grounds that the proper interpretation to be placed on the term "coke byproducts" is that it should be read in context with the term "fuels" rather than in its broader sense which would place all such byproducts of a chemical nature under Interior.

Differences have existed between Interior and Commerce as to the areas of jurisdiction of each agency since the issuance of the executive order assigning the controls contained in the defense production act to the various departments. As a result of these differences confusion has to be experienced by industries as to which agency they must contact on problems that arise under the control program.

Interior Dept. Powers

The agreement just reached by Commerce and Interior more or less gives Interior jurisdiction over metals and minerals in the raw and ingot state, while assigning to commerce the jurisdiction over the use of such materials in future industrial processes. The agreement is as follows:—

1. Commerce will immediately delegate to Interior power to allocate non-ferrous metals and minerals as raw materials and through the process of smelting and refining; ferro-alloys as raw materials and through their smelting and refining; ferrous-alloys as raw materials and through their smelting and refining; ferrous metals and minerals as raw materials up to but not including the blast furnace, and power to allocate and issue directions for the use of plant facilities of the industries produc-

—Continued on page 37

Diamond Buys DuPont Chromic Acid Business

Diamond Alkali Company today announced the purchase of the chromic acid business of E. I. duPont de Nemours & Co., Wilmington, Del. The product will continue to be manufactured by duPont at its Philadelphia plant and, under the terms of the sale, Diamond will take over distribution of the product on January 1, 1951. The amount of the consideration was not revealed.

DuPont is one of three chromic acid producers in the United States. It has been in this business approximately fifteen years, and holds a large share of the national market for the product, which is estimated at 20,000,000 pounds annually.

For Diamond, entrance into the chromic acid business represents a logical diversification of its line of chromium chemicals. Diamond is a major manufacturer of sodium bichromate, an essential raw material used in the manufacture of chromic acid, with facilities located at both Kearny, N. J., and Painesville, Ohio. Nearing completion at both these units is a rehabilitation, modernization and expansion program, costing in excess of $5,000,000.

Mathieson Hydrocarbon Promotion to L. Russell

L. E. Russell has been appointed director of market development for Mathieson Hydrocarbon Chemical Corporation, Baltimore, Md., according to Russell Hopkinson, administrative vice-president. Prior to his transfer to the new company, Mr. Russell was manager of product development for Mathieson Chemical Corporation.

He was with the St. Regis Paper Company as a chemist and assistant sulphite superintendent before going with Mathieson in 1941 as a research assistant. He later went to Mathieson's Chicago sales office as a technical representative until 1944. He did market research work for the sales development department at Niagara Falls, N. Y., until 1948 when he was transferred to the corporation's executive headquarters to do product development work in the development department. He was made manager of product development in December, 1948.

Koppers to Build Brazilian Polystyrene Plastics Plant

In cooperation with Brazilian interests, the chemical division of Koppers Company, Pittsburgh, Pa., has announced plans to build and operate a polystyrene plastics plant near Sao Paulo, Brazil. The unit is expected to have an annual output of 3,000,000 pounds.

Companhia Brasileira de Plastico "Koppers," a newly-organized Brazilian concern, will direct construction and operation of the plant. Koppers will furnish equipment, engineering and technical know-how and will supply the completed unit with styrene monomer, the primary raw material used in polystyrene production.

Pacific Coast Borax Co. Increases Export Prices

Pacific Coast Borax Company, a division of Borax Consolidated, Ltd., New York, has announced increases in its export schedules, effective October 10.

Following are the new export listings for carloads of twenty short tons in paper bags:—Granular borax, $45.65 per ton; granular boric acid, $99.15, and anhydrous borax, $80.40. Prices for granular borax and granular boric acid in burlap bags are $3.25 higher. Anhydrous borax in burlap bags is $2 more. Quotations are effective at time of shipment, net, with no exporters discount or commission allowed.

Olin Buys Harwid Co.

Olin Industries, Inc., East Alton, Ill., has purchased a substantial interest in the Harwid Company, Cambridge, Mass. There will be no change in the management or sales distribution of the acquired concern. Harwid is a manufacturer of polyethylene film.

Merck & Co. Announces $15 Cortisone Reduction

Merck & Co., Rahway, N. J., has announced a reduction of $15 per gram in the price of "Cortone," the company's brand of cortisone. The list price to physicians is $35 per gram. The price charged to hospitals during the past few months has been $50 per gram. The savings were attributed to research and process improvements.

At the same time the company stated that, in line with last week's FSA announcement easing distribution restrictions on the drug, "Cortone" will be made generally available on or about November 1 through distributors, hospitals, institutions and pharmacies for use by the physician in his daily practice. Meanwhile, physicians may continue to obtain "Cortone" from hospitals, and patients need not be hospitalized except at the physician's discretion.

Staley Plant Superintendent

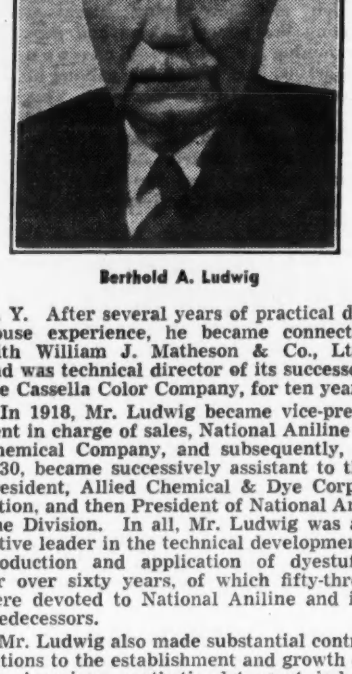
Harry Walmsley has been appointed to the newly created position of plant superintendent for A. E. Staley Manufacturing Company, Decatur, Ill. He has been succeeded as production superintendent by Louis E. Doxsie, who has been with the company since 1933. Mr. Walmsley is a veteran of thirty-five years service with Staley.

Obituaries

Berthold A. Ludwig

Berthold A. Ludwig, president of National Aniline Division, Allied Chemical & Dye Corporation, for twenty years prior to his retirement on October 1, 1950, died after a long illness on October 8 at Westfield, N. J. He was seventy-nine years old.

Educated in Germany as a chemist, Mr. Ludwig came to this country in 1890 to enter the dye application laboratory of Schoellkopf, Hartford & Hanna, Buffalo,



Berthold A. Ludwig

N. Y. After several years of practical dye house experience, he became connected with William J. Matheson & Co., Ltd., and was technical director of its successor, the Cassella Color Company, for ten years.

In 1918, Mr. Ludwig became vice-president in charge of sales, National Aniline & Chemical Company, and subsequently, in 1930, became successively assistant to the president, Allied Chemical & Dye Corporation, and then President of National Aniline Division. In all, Mr. Ludwig was an active leader in the technical development, production and application of dyestuffs for over sixty years, of which fifty-three were devoted to National Aniline and its predecessors.

Mr. Ludwig also made substantial contributions to the establishment and growth of the American synthetic detergent industry. Traveling in Germany during the Summer of 1929, he discovered a then-

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Dow to Expand Alkalies Output on Pacific Coast

The Dow Chemical Company, Midland, Mich., will expand by one-third its west coast production of chlorine and caustic soda. The move, which was authorized last week by the firm's board of directors, is necessitated by the general expansion in west coast industry and will be accomplished by enlarging present facilities at the company's Pittsburgh, Calif., plant. R. L. Curtis, general manager of Dow's Great Western Division and a vice-president of the company, said no new buildings will be required but existing chlorine-caustic cells will be enlarged and new boiler and substation equipment installed. He estimated the work will require ten to twelve months for completion.

Amer. Cyanamid Reports Calcium Cyanamide Short

Due to a severe curtailment of the electric power available to produce calcium cyanamide at the Niagara Falls, Ontario, Can., plant of its subsidiary, North American Cyanamid, Ltd., American Cyanamid Company, New York, has announced that calcium cyanamide will be in short supply until additional power is provided. Reduced production at the Niagara Falls plant will also affect the supply of such derivatives as hydrogen cyanide gas, dicyandiamide, potassium cyanate, acrylonitrile, melamine plastics and resins and other nitrogen products.

Paraffine Changes Name

The Paraffine Companies, San Francisco, Calif., has announced that the name of the company will be changed to Pabco Products, Inc., on November 1. There will be no change in the management or policies of the concern.

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Whale Oil Price Rise Predicted for 1950-51

Whale and sperm oil prices in 1950-51 almost certainly will be higher than in 1949-50, according to William Kling, assistant agricultural attache, American Embassy, London. This is primarily because world prices on fats and oils in general have risen sharply since the beginning of the Korean conflict and that recent quotations on whale and sperm oils, particularly the former, have been higher than they were several months ago.

Supplies of whale oil on the market in recent months have consisted entirely of summer production—for example, from whales caught off the West and East African coasts, Iceland, and the Faroe Islands.

Prices for whale oil, exaggerated somewhat by the seasonal scarcity, recently have gone to as high as £110.11s. ($309.54) per long ton for small lots purchased from Canada and Iceland. Earlier, a company operating off Madagascar sold whale oil, comparable to the Antarctic product, at close to £100 (280) per ton. The bulk of the whale oil from the 1949-50 Antarctic whale catch was sold at about £80 ($224) per ton.

Sperm Oil Demand Heavy

Sperm oil, which only a few months ago was in surplus supply, has been in strong demand since the fighting in Korea started. All available supplies have been sold at from £55 to £60 ($154 to $168) per ton. This is not substantially different from the price of £57.10s. ($161) prevailing in May of this year.

Negotiations on prices to be paid for their 1951 output recently have been carried on between British whale oil producers and the British Ministry of Food. For 1949-50 production the agreed price was £80 ($224) a ton. Although this price was lower than the £90 ($252) agreed in the previous season, it was higher than had been expected prior to Britain's devaluation of the pound sterling in September, 1949.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with OPD office:—

Chemicals, industrial, Buenos Aires, Argentine (GH-3, manufacturers only); pharmaceutical, Munich, Germany (GH-5).

Drugs, Tegucigalpa, Honduras (GH-6, agency).

Ink, printing and writing, Tegucigalpa, Honduras (GH-6, agency).

Intermediates, pharmaceutical, Munich, Germany (GH-5).

Minerals, including feldspar, quartz, saolin, Buenos Aires, Argentine (GH-4).

Pharmaceutical products, Buenos Aires, Argentine (GH-3, manufacturers only).

Sodium nitrite, Oslo, Norway (GH-2, manufacturers only).

Sodium sulphate, solid, Alexandria, Egypt (GH-1, manufacturers only).

Tanning materials, including sodium bichromate, potassium bichromate, chrome salts, mimosa extract, quebracho extract, ground valonia, Alexandria, Egypt (GH-1, manufacturers only).

Vitamins, Buenos Aires, Argentine (GH-3, manufacturers only).

'51 Nichols Medal Winner

Dean Henry Eyring of the University of Utah Graduate School, a noted theoretical chemist and authority on textile chemistry, has been awarded the William H. Nichols Medal of the American Chemical Society's New York section for 1951. Dr. Eyring, who was a member of the Princeton University faculty from 1931 to 1946, was research director of the Textile Foundation from 1944 to 1946. During World War II he conducted research for the army, navy and Office of Scientific Research and Development on the theory of high explosives and the theory of smokes. Presentation of the medal to Dr. Eyring will take place at a dinner meeting of the New York section on March 9, 1951.

Monsanto Reshapes Organic Chemical Sales Territories

The Detroit, Mich., Cleveland and Cincinnati, Ohio, sales territories of Monsanto Chemical Company's organic chemicals division will become separate districts, it was announced last week by Robinson Ord, general sales manager of the division. The Cleveland and Cincinnati territories, which were included in the Detroit district, Mr. Ord explained, will be established as independent districts reporting directly to the division's headquarters in St. Louis, Mo.

At the same time, Mr. Ord disclosed the appointment of J. G. Hicks, formerly assistant branch manager of the Detroit district, as branch manager there. Branch managers of the new districts will be T. C. Tupper at Cleveland and J. C. Hutchison at Cincinnati. Both men have been assistant branch managers of the Detroit district residing in their respective territories.

The changes, effective January 1, 1951, follow the recently announced promotion of F. M. Luckett, former Detroit manager, to general branch manager of the company's Chicago office.

Washington Talks It Over

By Ralph L. Cherry

The administration is beginning to move more quickly toward more effective use of the anti-inflation provision of the defense production act and controls over prices may not be too far off in the opinion of Washington observers. Controls over credit and real estate already have been invoked, leaving only prices and wages as the big inflationary pressure yet to be "ceiled."

The appointment last week of Dr. Allan Valentine, president of Rochester University, as head of the Economic Stabilization Administration is the first step in this direction. This appointment is to be followed soon by a director of prices who will serve under Dr. Valentine and be chiefly responsible for the successful operation of the control program. Selection of Cyrus Ching as chairman of the Wage Stabilization Board in the ESA also filled an important part of the developing control picture.

When and how price control is to be applied is purely a matter of conjecture. There is some belief that politics will figure importantly in the timing of the announcement and many persons would not be surprised to see it come before the November election, but with actual application of controls put off until after the election. It is also strongly believed that the price controls will be applied on a selective basis and at the manufacturer's and distributor's level first.

The defense production act gives the president considerable latitude in applying price control. It authorizes him to encourage voluntary action by business, agriculture, labor and consumers to bring about wage and price stabilization. To the extent that that fails, he may establish individual or general price ceilings, but when he does he shall also stabilize wages.

The ceilings can be applied only when it is found that (1) a price has risen or threatened to rise unreasonably from the level of May 24, 1950, to June 24, 1950; (2) such increases will materially affect the cost of living or the national defense; (3) the ceiling is necessary to effectuate the purposes of the act; (4) it is practical and feasible to impose such a ceiling, and (5) a ceiling would be fair and equitable to sellers and buyers of materials and to sellers and buyers of related and competitive materials.

Rumored Tax Bite

The added bite that Uncle Sam took out of our paychecks at the start of this month is just a small sample of what might be in store, if some of the reports emanating from the tax committees of congress can be relied upon.

The latest "suggestion" is an excess

--Continued on page 38

Torquay Conference Criticisms Outlined at SOCMA Luncheon

The tariff-cutting conference which is under way at Torquay, England, where some thirty nations are negotiating with each other to reduce trade barriers, was characterized as "a gratuitous act of economic self-mutilations so far as the United States is concerned," by O. R. Strackbein, chairman of the National Labor-Management Council on Foreign Trade Policy, speaking at a meeting of the Synthetic Organic Chemical Manufacturers' Association in the Commodore hotel, New York, October 11.

"The so-called reciprocal trade agreements have been marked by increasingly stringent trade barriers raised by other countries as we have cut our tariff in half," he charged. "None but a group of quixotic visionaries could look upon the record and see anything else. Only those who are blinded or hypnotized by the reflection from their own dogma could fail to see the reality of it. So far as reducing trade barriers of other countries is concerned the trade agreements program which began in 1934 has been and continuse to be a flat and unmitigated failure."

Only a few short months ago, he added, we had a foretaste of what will happen when this country returns once more to a buyer's market; competition from low-priced imports was confronting industry after industry in this country with a distressing economic outlook. Deflationary pressures, he said, were mounting from all directions and increasing imports of competitive items could only add to the pressure and feed the downward spiral.

Employment Outlook Bleak

"Already our tariff had been cut in half," Mr. Strackbein continued. "The employment outlook in a score of industries was bleak. Layoffs were becoming common in numerous communities. Curtailed work-weeks were spreading over many areas. Imports were climbing. We were witnessing a sample of the economic charms of free trade in a world where the United States stands on an economic plateau in relation to all other countries. If the Department of State was not apprehensive it was because the distress of the smaller industries, in contrast to the giant, mass-production industries, does not raise the pulse in that department. It has cast its lot with the huge export industries."

Te National Labor-Management Council on Foreign Trade Policy which Mr. Strack-

--Continued on page 50

TGA Outlines Program For December 6 Meeting

The scientific section of the Toilet Goods Association, which will meet December 6 at the Waldorf-Astoria hotel, New York, has completed the makeup of its program.

The morning session will open with a talk by P. C. Weiseman, of Norwich Pharmacal Company. His topic is "The Pilot Plant—Part II: The Equipment and Its Applications in Drug and Cosmetic Development." Walter J. Hamburger, Henry M. Morgan and Milton M. Platt, of Fabric Research Laboratories, will present a joint paper entitled, "Some Aspects of the Mechanical Behavior of Hair." The concluding paper for the morning session, entitled, "The Pharmaceutical Properties of the Kaolins," will be presented by A. Halpern, J. V. Powers and C. H. Bradney, of the research laboratories of E. Fougera & Co.

The afternoon session will take the form of a symposium on olfaction. Edward Sagarin, Givaudan-Delawanna, Inc., will present a paper called, "Toward Scientific Method in the Study of Olfaction." James Middleton, of Jacqueline Cochran Cosmetics, will discuss "A Critical Review of Theories of Olfaction." Dr. Joseph Hersh has taken as his topic "The Effect of Pathology and Surgery on the Sense of Smell." Dr. Bernice M. Wenzel, of the department of psychology of Barnard College, will deal with "Practical Applications of Olfactometry." Dr. Dean Foster, director of the olfactory research laboratory of Joseph Seagram Sons, Inc., will conclude the program with a paper entitled, "Future Pathways of Olfactory Research."

GE Lab Dedication Opens Science Academy Conclave

The four-day meeting of the National Academy of Sciences in Schenectady, N. Y., last week was opened with the dedication of General Electric Company's new $18,000,000 research laboratory. Charles W. Wilson, GE president, in his dedicatory address, emphasized that large companies are necessary, so that pure science can be subsidized within industry and made to pay its way not only to the corporation, but to the public. The program of the academy followed with the presentation of seventy-five technical papers on achievements in biology, physics and chemistry.

The new laboratory is a five-story building which internally can be rearranged to give rooms any required size. Overlooking the Mohawk River, it contains facilities for rain-making experiments, research into magnetism, atomic physics, electronics, biology, low temperature and X-rays. Plastics, metals, rockets, refrigeration, vibration and biology projects are all contained in the air-conditioned structure.

Koppers to Reactivate Second Butadiene Unit

On orders from the government, Koppers Company, Pittsburgh, Pa., has announced plans to reactivate a second butadeine unit at its Kobuta, Pa., plant. The company, which last month was instructed by the Reconstruction Finance Corporation to start up operations at one Kobuta unit, stated that the first unit would get into production within two weeks. Four units were built and operated for the government during World War II, two of which are at present being maintained in a standby condition. Butadiene is a basic material in the manufacture of synthetic rubber.

Dow Corning Names Smith Washington Office Manager

Dow Corning Corporation, Midland, Mich., of silicone products, has appointed Earle J. Smith as manager of the company's newly-opened branch office at 711 Fourteenth street, N.W., Washington, D. C. Before taking a position as research chemist with Dow Corning in 1945, Mr. Smith was in instructor in chemistry at Michigan State College and a research chemist with the chemical warfare department at the Dow Chemical Company, Midland.

Reichhold Elects Kline, Hodgins Vice-Presidents

Reichhold Chemicals, Inc., Detroit, Mich., has elected Harry Kline, manager and technical director of the phenolic plastics division in Detroit, and T. S. Hodgins, manager of the company's Pacific northwest division in Seattle, Wash., vice-presidents of the company, in charge of their respective divisions. At the same time, P. L. Swisher, vice-president in charge of sales and advertising in Detroit, and M. W. Reece, vice-president in charge of Pacific Coast operations, with headquarters in South San Francisco, Calif., have been elected to the Reichhold board of directors.

Archer-Daniels-Midland Elects English, Andrews

Archer-Daniels-Midland Company, Minneapolis, Minn., has elected Ellis D. English and W. G. Andrews board member and assistant vice-president, respectively. Mr. English is president of Commander-Larabee Milling Company, an ADM division, and vice-president of the parent concern. Mr. Andrews has been director of ADM's special oil sales since 1948.

Michigan Names Fisher

Lewis E. Fisher, formerly connected with New York metropolitan sales of Westvaco Chemical Division, Food Machinery & Chemical Corporation, has been named to represent eastern chemical and industrial sales for Michigan Chemical Corporation, with offices at 230 Park avenue, New York.

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods, recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 a list for any one country:—

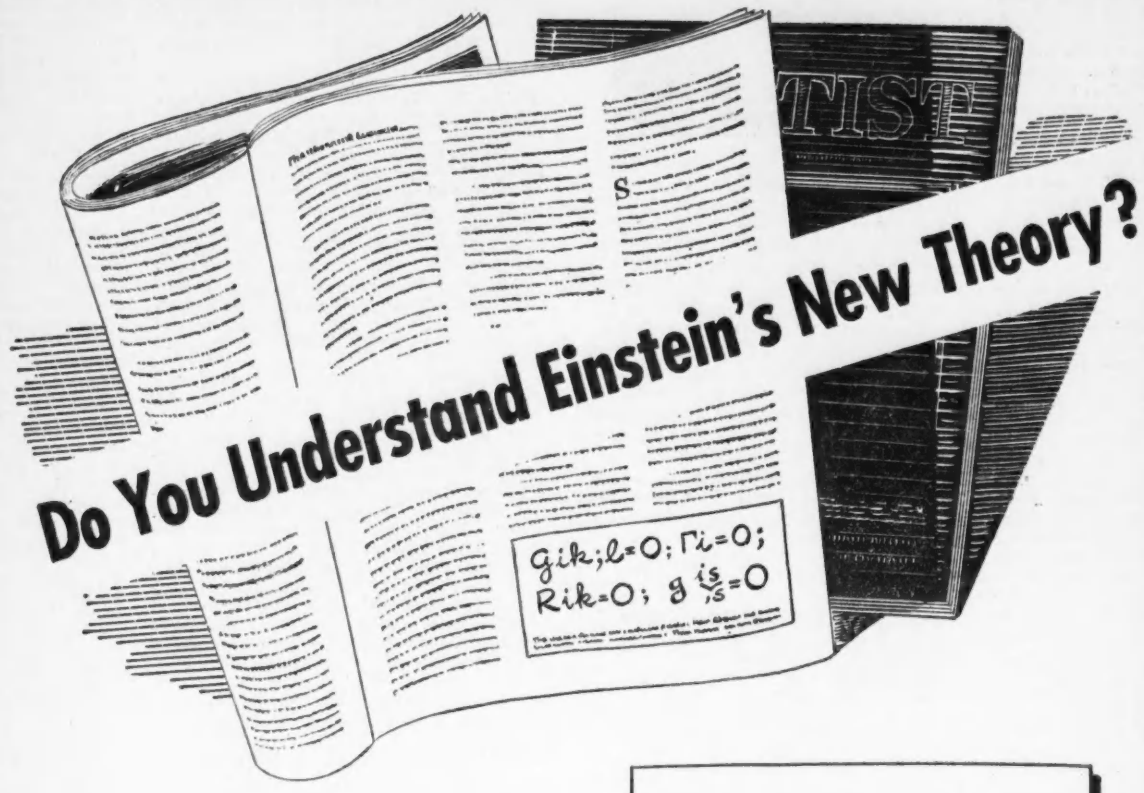
Beverage manufacturers—Tunisia.

Hospitals—British Guiana.

Paint, varnish and pigment manufacturers, etc.—Union of South Africa.

Photographic supply dealers and photographers—Peru; Tunisia; Uruguay.

Plastic material manufacturers, mold & laminators, etc.—Israel.



FRANKLY, we don't because here at Innis, Speiden we are always busy acquiring practical knowledge of chemicals, gums and waxes and theories take a back seat.

If you have a problem, ISCO representatives usually know the answer. (Their average experience in the chemical field is 15 years.) But if your problem should happen to stump their combined experience, ISCO's research laboratories are ready to go to work for you, without obligation.

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Association Meetings

American Council of Commercial Laboratories, Waldorf-Astoria, New York, November 14-15.

American Drug Manufacturers Association and American Pharmaceutical Manufacturers Association, combined contact committee meeting, Washington hotel, Washington, D. C., October 23-24.

American Institute of Chemical Engineers, New York section symposium on management, Statler hotel, New York, Oct. 24; Neal House, Columbus, Ohio, December 3-6.

American Petroleum Institute, Biltmore and Ambassador hotels, Los Angeles, November 13-16

American Pharmaceutical Manufacturers Association, Waldorf-Astoria hotel, New York, November 27-29; Boca Raton, Fla., April 2-4, 1951; Greenbrier, White Sulphur Springs, W. Va., March 26-28, 1952.

American Society for Testing Materials, spring meeting and committee week, Cincinnati, Ohio, March 5-9, 1951; annual meeting, Atlantic City, N. J., June 18-22, 1951; spring meeting and committee week, Cleveland, Ohio, March 3-7, 1952; annual meeting, New York, N. Y., June 23-27, 1952.

Association of Consulting Chemists & Chemical engineers, annual meeting, Shelburne hotel, New York, October 24.

Boston Conference on Distribution, Statler hotel, Boston, October 16-17.

Chemical Bureau Alumni Association of the War Production Board, Lexington hotel, New York, November 1.

Chemical Specialties Manufacturers Association, New Yorker hotel, New York, December 3-5.

Federal Wholesale Druggists Association, Greenbrier hotel, White Sulphur Springs, W. Va., October 23-25

Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 9-11.

National Association of Retail Druggists, Long Beach, Calif. October 15-21

National Fertilizer Association, Edgewater Gulf hotel, Gulfport, Miss., Nov. 13-15.

National Foreign Trade Council, annual convention, Waldorf-Astoria hotel, New York, October 31-November 1

National Lubricating Grease Institute, Edgewater Beach hotel, Chicago, October 30-November 1.

National Paint, Varnish and Lacquer Association, Fairmont hotel, San Francisco, November 15-18

National Pest Control Association, Netherland Plaza hotel, Cincinnati, October 23-25.

National Safety Congress, Chicago, October 16-20

National Wholesale Druggist's Association, annual meeting, Shamrock hotel, Houston, Tex., October 13 to 18, 1951.

Packaging Institute, annual forum, Commodore hotel, New York, October 23-25.

Paint Maintenance Show, Auditorium, Cleveland, Ohio, January 15-18, 1951.

Proprietary Association, annual meeting, Biltmore hotel, New York, May 14 to 16, 1951; annual meeting, Greenbriar hotel, White Sulphur Springs, W. Va., May 22 to 24, 1952.

Public Relations Society of America, Waldorf-Astoria hotel, New York, December 3-6.

Salesmen's Association of the American Chemical Industry, Roosevelt hotel, New York, October 24.

Society of Cosmetic Chemists, fall meeting, Biltmore hotel, New York, December 5.

Society of Plastics Engineers, national technical conference, Statler hotel, New York, January 18-20, 1951.

Society of the Plastics Industry, annual meeting, New Ocean House, Swampscott, Mass., October 18-20

Society of Rheology, New Yorker hotel, New York, November 3-4.

Synthetic Organic Chemical Manufacturers Association, annual meeting, Commodore hotel, New York December 13.

Toilet Goods Association, scientific section, Waldorf-Astoria hotel, New York, December 6.

Pitts. Chemistry Conference Changes Date to March 5-7

The date of the 1951 Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, formerly scheduled for February 28 to March 2, has been changed to March 5 to 7 at the William Penn hotel, Pittsburgh, Pa. The shift was made to avoid a conflict with the annual meeting of the Optical Society of America which is being held at the National Bureau of Standards in Washington, D. C., on the former date.

Oil Trades Association Banquet Set October 31

The Oil Trades Association of New York will hold its thirty-fifth annual banquet October 31 at the Waldorf-Astoria hotel, New York. The reception is scheduled for 6:30 p.m., with dinner being served at 7:45 p.m.

SAACI Meets Oct. 24

The annual meeting of the Salesmen's Association of the American Chemical Industry will be held at the Roosevelt hotel, New York, October 24. Dinner will be at 7 p.m.

The meeting, which is for members only, will be featured by election of the nominating committee and the annual SAACI show, presented by the special functions committee headed by Jerome F. McGinty of Millmaster Chemical Company.

Oils, Fats Consumption: August

Factory consumption of primary oils, fats, fatty acids, and related materials in August, 1950, totaled 1,447,021,000 pounds, according to the Bureau of the Census. Consumption in the major specified lines of industry included the following quantities:—

	Pounds
Edible products	333,236,000
Paint and varnish	63,579,000
Processing	336,758,000
Refining	424,755,000
Soap	162,512,000

Factory consumption of individual materials was reported as follows:—

Oils

	Pounds	
Babassu—	Crude	Refined
Refining	[1]	.....
Soap	[1]	[1]
Other uses	.....	.....
Castor—	No. 1	No. 3
Refining	[1]	.....
Fat-splitting	.....	.....
Sulphonation	276,000	513,000
Soap	13,000	33,000
Paint and varnish	478,000	115,000
Linoleum and oilcloth	[1]	[1]
Chemicals	[1]	[1]
Lubricants and greases	15,000	36,000
Other uses	6,009,000	2,455,000
Castor, dehydrated—		
Soap	.....	.....
Paint and varnish	.....	3,038,000
Linoleum and oilcloth	.....	[2]
Lubricants and greases	.....	[2]
Other uses	.....	317,000
Coconut—	Crude	Refined
Refining	34,052,000	.....
Deodorizing	.....	5,290,000
Hydrogenation	.....	3,058,000
Fat-splitting	5,469,000	.....
Sulphonation	62,000	[1]
Shortening	.....	[1]
Other edible products	[1]	2,360,000
Chemicals	.....	[1]
Soap	13,235,000	10,790,000
Paint and varnish	[1]	339,000
Other uses	222,000	63,000
Cod and codliver—		All grades
Sulphonation	.....	348,000
Deodorizing	.....	.....
Paint and varnish	.....	.....
Other uses	.....	1,543,000
Corn—	Crude	Refined
Refining	25,838,000	[1]
Sulphonation	.....	.....
Deodorizing	.....	3,425,000
Winterizing for salad oil	.....	8,116,000
Shortening	.....	[1]
Oleomargarine	.....	[1]
Other edible uses	[1]	10,073,000
Soap	.....	[1]
Paint and varnish	[1]	.....
Other uses	58,000	83,000
Cottonseed—	Crude	Refined
Refining	85,929,000	.....
Sulphonation	.....	.....
Hydrogenation	.....	55,535,000
Deodorizing	.....	2,916,000
Winterizing for salad oil	.....	54,679,000
Shortening	.....	32,954,000
Oleomargarine	.....	7,195,000
Other edible uses	.....	1,524,000
Soap	.....	.....
Paint and varnish	.....	[1]
Other uses	[1]	172,000
Fish—	Menhaden	Sardine
Refining	[2]	[2]
Fat-splitting	.....	[2]
Sulphonation	[2]	277,000
Soap	.....	.....
Paint and varnish	486,000	1,531,000
Linoleum and oilcloth	[2]	393,000
Lubricants and greases	97,000	7,000
Other uses	2,079,000	885,000
Fish, other—	Crude	Refined
Refining	.....	.....
Paint and varnish	11,000	517,000
Other uses	402,000	836,000
Fishliver, other than cod—		All grades
Sulphonation	.....	[2]
Lubricants and greases	.....	.....
Other uses	.....	421,000
Linseed—	Raw	Refined
Refining	25,923,000	.....
Fat-splitting	.....	.....
Soap	[1]	.....
Paint and varnish	16,892,000	17,957,000
Linoleum and oilcloth	6,970,000	1,561,000
Lubricants and greases	[1]	[1]
Other uses	11,596,000	4,495,000
Marine mammal—		All grades
Refining	.....	.....
Sulphonation	.....	308,000
Paint and varnish	.....	.....
Chemicals	.....	.....
Lubricants and greases	.....	948,000
Other uses	.....	137,000
Vegetable, not specified—		
Refining	.....	2,736,000
Fat-splitting	.....	199,000
Hydrogenation	.....	2,895,000
Sulphonation	.....	67,000
Winterizing for salad oil	.....	6,375,000
Shortening	.....	736,000
Oleomargarine	.....	18,000
Other edible uses	.....	693,000
Soap	.....	3,905,000
Paint and varnish	.....	913,000
Linoleum and oilcloth	.....	115,000
Chemicals	.....	3,098,000
Lubricants and greases	.....	105,000
Other uses	.....	8,807,000

Fats and Greases

Grease and lard oil—		
Sulphonation	.....	[2]
Soap	.....	.....
Lubricants and greases	.....	1,500,000
Other uses	.....	881,000
Grease, not specified—		
Refining	.....	.....
Fat-splitting	.....	6,170,000
Winterizing	.....	.....
Sulphonation	.....	[2]
Hydrogenation	.....	[2]
Pressing	.....	6,879,000
Soap	.....	30,359,000
Lubricants and greases	.....	1,515,000
Other uses	.....	142,000
Lard—	Rendered	Refined
Shortening	15,190,000	[2]
Oleomargarine	287,000	[2]
Hydrogenation	2,155,000	[2]
Other edible uses	223,000	276,000
Soap	.....	[2]
Lubricants and greases	[2]	[2]
Other uses	[2]	.....
Neatsfoot—		All grades
Refining	.....	.....
Sulphonation	.....	32,000
Soap	.....	[2]
Chemicals	.....	[2]
Lubricants and greases	.....	16,000
Other uses	.....	210,000
Oiticica—		All grades
Paint and varnish	.....	[2]
Linoleum and oilcloth	.....	.....
Other uses	.....	166,000
Oleo—		All grades
Shortening	.....	[2]
Oleomargarine	.....	398,000
Other edible uses	.....	[2]
Soap	.....	.....
Lubricants and greases	.....	.....
Other uses	.....	[2]
Olive—	Edible	Inedible
Edible uses	[1]	.....
Soap	[1]	60,000
Other uses	48,000	[1]
Palm—	Crude	Refined
Soap	[1]	[1]
Lubricants and greases	[1]	[1]
Other uses	3,536,000	[1]
Palmkernel—	Crude	Refined
Soap	.....	.....
Peanut—	Crude	Refined
Refining	12,554,000	.....
Sulphonation	.....	149,000
Hydrogenation	.....	1,751,000
Deodorizing	.....	7,745,000
Winterizing for salad oil	.....	.....
Shortening	.....	855,000
Oleomargarine	.....	[1]
Other edible uses	.....	1,548,000
Soap	[1]	.....
Other uses	[1]	253,000
Perilla—		All grades
Paint and varnish	.....	.....
Rapeseed—		
Lubricants and greases	.....	182,000
Sesame, refined—		
All uses	.....	[2]
Soybean—	Crude	Refined
Refining	174,132,000	.....
Fat-splitting	.....	[1]
Sulphonation	.....	57,000
Hydrogenation	.....	52,320,000
Deodorizing	.....	12,345,000
Winterizing for salad oil	.....	[1]
Shortening	[1]	64,500,000
Oleomargarine	.....	3,895,000
Other edible uses	.....	7,520,000
Soap	152,000	[1]
Paint and varnish	423,000	6,852,000
Chemicals	.....	[1]
Lubricants and greases	53,000	23,000
Linoleum and oilcloth	[1]	2,014,000
Other uses	2,561,000	6,332,000
Tallow—		All grades
Soap	.....	.....
Lubricants and greases	.....	665,000
Other uses	.....	[2]
Tung—		
Paint and varnish	.....	7,490,000
Chemicals	.....	[1]
Lubricants and greases	.....	.....
Linoleum and oilcloth	.....	622,000
Other uses	.....	1,007,000
Stearin, animal—	Edible	Inedible
Shortening	1,489,000	.....
Oleomargarine	477,000	.....
Other edible uses	302,000	.....
Soap	[1]	238,000
Other uses	[2]	232,000
Stearin, vegetable—		
Shortening	.....	7,499,000
Oleomargarine	.....	*1,003,000
Hydrogenation	.....	3,373,000
Other edible uses	.....	77,000
Other uses	.....	[2]
Tallow, edible—	Crude	Refined
Refining	[2]	[2]
Hydrogenation	.....	[2]
Pressing	3,265,000	.....
Shortening	1,477,000	746,000
Other edible	144,000	[2]
Soap	.....	[2]
Lubricants and greases	[2]	[2]
Other uses	19,000	14,000
Tallow, inedible—	Crude	Refined
Refining	23,535,000	.....
Fat-splitting	13,494,000	.....
Hydrogenation	[2]	[2]
Sulphonation	693,000	[2]
Soap	82,009,000	25,670,000
Lubricants and greases	1,761,000	[2]
Other uses	1,604,000	157,000

Fatty Acids and Acid Stocks

Animal fat and oil fatty acids, not specified—	
Winterizing and pressing	6,648,000
Soap	507,000
Lubricants and greases	622,000
Other uses	6,683,000
Animal oil foots (100 percent basis)—	
Soap	[2]
Other uses	51,000
Fatty acid stocks, not specified—	
Refining	.....
Fat-splitting	[2]
Sulphonation	.....
Soap	157,000
Paint and varnish	97,000
Linoleum and oilcloth	[2]
Lubricants and greases	[2]
Other uses	89,000
Fish and marine mammal oil fatty acids—	
Sulphonation	59,000
Paint and varnish	[2]
Lubricants and greases	[2]
Other uses	263,000
Fish and marine mammal oil foots (100 percent basis)—	
Other uses	4,395,000
Olive oil foots (including sulphur oil)—	
Soap	589,000
Red oil—	
Sulphonation	256,000
Soap	2,400,000
Paint and varnish	20,000
Chemicals	443,000
Lubricants and greases	330,000
Other uses	1,755,000
Stearic acid—	
Sulphonation	11,000
Soap	393,000
Paint and varnish	79,000
Lubricants and greases	413,000
Chemicals	491,000
Other uses	3,317,000
Vegetable oil fatty acids—	
Sulphonation	[2]
Hydrogenation	[2]
Soap	3,159,000
Paint and varnish	1,282,000
Lubricants aand greases	44,000
Chemicals	431,000
Other uses	7,389,000
Vegetable oil foots (100 percent basis)—	
Fat-splitting	12,252,000
Soap	4,791,000
Paint and varnish	46,000
Other uses	373,000

Unclassified

Materials not shown separately—	
Refining	5,282,000
Fat-splitting	2,380,000
Hydrogenation	8,814,000
Sulphonation	334,000
Pressing	2,881,000
Shortening	4,588,000
Oleomargarine	259,000
Soap	2,880,000
Paint and varnish	324,000
Linoleum and oilcloth	[2]
Chemicals	3,012,000
Lubricants and greases	948,000
Other uses	7,452,000

* Revised.

[1] Included in "Vegetable oils, not specified," including small quantities for items for which data are not reliable.

[2] Included in "Materials not shown separately," including small quantities for items for which data are not reliable.

[3] Not shown to avoid disclosure of individual operations.

AIChE 43rd Meeting Set for December 3-6

The American Institute of Chemical Engineers will hold its forty-third annual meeting December 3 to 6 at the Neil house and Deshler Wallick hotel, Columbus, Ohio. This year's annual institute lecture will be delivered by Olaf A. Hougen, professor of chemical engineering at the University of Wisconsin, Madison, Wis.

The technical program will include symposia on air pollution, glass manufacture, utrasonics, the processing of viscous materials and phase equilibria. Dr. Hougen, who will talk on applied kinetics at the December 4 session, has been with the University of Wisconsin since 1917. During World War II he worked with the National Defense Research Committee on drying of gases, and with the War Production Board on the production of sulphuryl chloride. He is a co-author of a three-volume work on chemical process principle.

The convention will be sponsored by the central Ohio section of the AIChE. Co-chairmen of the meeting are Joseph H. Koffolt, chairman of the department of chemical engineering, Ohio State University, and Frank C. Croxton, assistant director of Battelle Memorial Institute.

Cosmetic Chemists Reveal Papers to be Heard Dec. 5

Society of Cosmetic Chemists, which will hold its Fall meeting December 5 at the Biltmore hotel, New York, has revealed the details of the technical program.

W. E. Graham, research director of Crown Can Company, will present a paper on pressure packaging of cosmetic products. "A New Quantitative Method for the Evaluation and Study of Shampoos" in the title of a paper to be presented by G. Barnett and D. H. Powers, of Richard Hudnut. Milton Eckstrom, of Raymond Laboratories, will discuss "Swelling Studies on Single Hair Fibers."

Dr. Philip Jay, of the University Michigan School of Dentistry, will speak on the relation between salivary lactobacillus counts to dental caries activity. "A Method for Testing the Degerming Efficiency of Hexachlorophene Soaps" will be described by Dr. Arthur R. Cade, Sindar Corporation. Patch testing technics and evaluation of patch test results will be discussed by Dr. Herman A. Shelanski, Industrial Toxicology Laboratories. Gertrude Schutze, librarian of Bristol-Meyers Company, will present a paper covering current literature sources for the cosmetic industry.

Consulting Chemists to Hold Open Door Meeting Oct. 24

The Association of Consulting Chemists and Chemical Engineers last week emphasized that its annual meeting, to be held October 24 at 5 p. m. at the Shelburne hotel, New York, will be an open door affair. The program will be in the form of a symposium entitled, "Public Relations and the Consultant." Guest speaker will be Paul B. Slawter, jr., vice-president of The House of J. Hayden Twiss, New York. Moderator John Sasso, industrial production editor of *Business Week*, New York, will direct discussion from the floor.

Letterhead reservations with remittance in the amount of $6.75 per person must be received not later than October 21 at the association's office, 50 East 41st street, New York 17.

WPB Chemical Bur. Alumni Plan Cocktail Party Nov. 1

The Chemical Bureau Alumni Association of the War Production Board will hold a cocktail party at the Lexington hotel, New York, on November 1. Frank Bennett of Publicker Industries, Inc., is chairman of the committee handling the arrangements.

Public Relations Society Slates Meeting Dec. 3-6

The Public Relations Society of America will hold its third annual meeting December 3 to 6 at the Waldorf-Astoria hotel, New York. The program will take the form of a national public relations conference for all people in the field.

Equipment Meeting Tonight

The Process Equipment Dealers Council will hold their October meeting tonight at the Bristol hotel, New York. Dinner will be served at 7 p.m., and the meeting will be featured by a discussion of present-day conditions in the used equipment field.

We've got a lovely bunch of coconuts...

When the monkey's paw wrenches free the coconut, the raw material begins its long journey to our plant. The coconut meat becomes copra, which is then crushed to extract coconut oil. This oil is shipped to us and we turn it into Coconut Fatty Acids.

Woburn Coconut Fatty Acids are used to good advantage by specialty soapers, alkyd resin manufacturers and makers of synthetic detergents. It improves such products as soap, shaving cream, shampoo, rubber, wetting agents and alkyd resins and esters. It can help improve your product, too.

Woburn Coconut Fatty Acids have an Acid No. of 260—270; Saponification No. of 263—274; an Iodine No. of 9—15 and a Titre of 21—25. If you require special standards, we will produce them to your order.

And we'll ship it in beakers, batches, barrels . . . or if you're within flagging distance of a highway, you can get it in special alloy tank trucks. Any way you get it, make sure you get Woburn Coconut Fatty Acids.

Woburn Chemical Corp. (N. J.) 1200 Harrison Avenue, Kearney, New Jersey

Current Market Quotations

Chemicals and Related Materials

October 13, 1950

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).

Acenaphthene, below 92.5 C., m.p., dms., works lb .40 - —
above 92.5 C. m.p. dms., works, lb. .50 - —

Acetaldehyde, 99% dms. c.l., frt. equald lb. .12 - —
l.c.l., frt. equald lb. .12½ - —
tanks, frt. equald lb. .10 - —

Acetaldol (see Aldol).

Acetamide, tech. fib., dms lb .45 —

Acetanilide tech. bbls., c.l., dlvd lb. .24½ - —
l.c.l., ton lots lb. .25½ - —
smaller lots lb. .28½ - —
USP, bbls. 2,000-lb. lots lb .50 —
smaller lots lb. .56 —

Acetic anhydride dms., c.l., frt. alld. E lb. .14 - —
l.c.l., frt. alld. E lb. .15½ - —
tanks, frt. alld E lb. .12½ - —

Acetoacetanilide, bbls., dlvd lb. .69½ - —
fib. dms., c.l., dlvd lb. .68½ - —
l.c.l., dlvd lb. .69½ - —

Acetoacetorthoanisidide, fib. dms., works, 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb 1.75 - —

Acetoacetorthochloranilide, bbls., dlvd lb 1.15 - —
fib. dms., c.l., dlvd lb. 1.14 - —
l.c.l., dlvd lb. 1.15 - —

Acetoacetorthotoluidide, bbls., dlvd lb. .74½ - —
fib. dms., c.l., dlvd lb. .73½ - —
l.c.l., dlvd lb. .74½ - —

Acetoacetparaphenetidide, dms., 500 lbs. or more, works lb. 1.65 - —
smaller lots same basis lb 1.90 - —

Acetone, CP, dms., c.l., dlvd lb. .10¼ - —
l.c.l., dlvd lb. .11 - —
tanks, dlvd lb. .08½ - —
Methyl (see M).

Acetonitrile, dms., c.l., works lb. .43 - —
l.c.l. works lb. .45 - —

Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 1.33

Acetophenone, cns., dms lb 1.30 1.65
tech., l.c.l., dms., works lb. .75 —

Acetyltributyl citrate, tech. dms. lb. .31½ - —
smaller pkgs lb. .60 - —

Acetyltriethyl citrate, tech, dms. lb. .27 - —
smaller pkgs lb. .53 - —

Acid, abietic, com'l, drms., c.l., works lb. .10 - —
l.c.l., works lb. .1145 - —
cryst., dms., c.l., works lb. .05½ - —
l.c.l., works lb. .06 .06½

Acetic, com'l or redist., 28%, bbls. 100 lbs. 3.90 - —
56%, bbls 100 lbs. 6.50 - —
70%, bbls 100 lbs. 7.75 - —
80%, bbls 100 lbs. 8.60 - —
glacial, synthetic, CP, dms., works 100 lbs. 13.50 - —
cbys., works 100 lbs. 18.50 -22.50
USP, cbys., works 100 lbs. 14.00 -18.00
tech., dms., c.l., works 100 lbs. 9.50 - —
l.c.l., works 100 lbs. 10.00 - —
tanks, works 100 lbs. 8.00 - —

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP special, bbls., makers, primary distrib., point of ship't, 1,000-lb. lots lb. .57 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (60 mesh) bbls same basis. lb. .52 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich. Chicago and St. Louis.

Aconitic, 5,000 lbs. 1 shipt. dms., lb. .49 —
smaller lots, dms lb. .49½ .54½

Adipic, fib. dms., works lb. .26½ —

Aminoacetic NF bbls., frt. adjusted lb. 1.50 1.75

Anthranilic resub., bbls lb 2.10 —
tech., bbls., frt. equald lb. 1.21 - —

Arsenous (tech (see Arsenic, white).
USP (see Arsenic trioxide).

Ascorbic USP dms. 500-kilo lots, kilo. 24.50 - —
25-50 kilo lots kilo. 25.00 - —
10-kilo lots kilo. 25.35 - —
5-kilo lots kilo. 25.70 - —
bots. kilo lots kilo. 26.41 - —
500-gram lots kilo. 27.47 - —

Battery cbys. c.l., E. works 100 lbs. 2.00 - —
l.c.l., E., works 100 lbs. 2.30 - —

Benzoic, tech. bbls. dms., 100 lbs. or more lb. 43 - —
USP, bbls. dms., 100 lbs up lb. 54 - —

Betahydroxynaphthoic bbls., works lb. 1.29 - 1.39

Boric, tech. 99½%, cryst., bgs., c.l., works ton 115.25 - —
ton lots ex whse, N. Y. or Chi ton. 160.00 - —
less ton lots, same basis. ton. 165.00 - —
bbls., c.l., works ton. 135.25 - —
ton lots, ex whse., N. Y. or Chi ton. 180.00 - —
less ton lots, same basis. ton. 185.00 - —
bulk, c.l., works ton. 111.75 - —
gran., bgs., c.l., works ton. 90.25 - —
ton lots ex whse., N. Y. or Chi ton. 135.00 - —
less ton lots, same basis. ton. 140.00 - —
bbls, c.l., works ton. 110.25 - —
ton lots ex whse., N. Y. or Chi ton. 155.00 - —
less ton lots, same basis. ton. 160.00 - —

Boric, tech., 99½%, gran., bulk c.l., works ton. 56.75 - —
powd., bgs., c.l. works ton. 95.25 - —
ton lots ex whse., N. Y or Chi ton. 140.00 —
less ton lots same basis ton. 145.00 - —
bbls., c.l. works ton. 115.25 - —
ton lots ex whse., N. Y or Chi ton. 160.00 —
less ton lots same basis. ton. 165.00 - —
bulk c.l., works ton. 91.75 - —
USP $25 per ton higher.

Broenner's, bbls lb. 1.34 - —

Butyric, 99%, dms. c.l. works lb. .36½ - —
l.c.l., works lb. .37 - —
tankcars, works lb. .35 - —

Cacodylic, bots lb. 10.00 -11.00

Camphoric, natural, dms. lb 5.00 5.65
synth. dms lb 4.00 4.75

Capric, 90%, dms., l.c.l. lb. .45 - —

Caprylic, 90%, dms., l.c.l. lb. .45 - —

Castor oil, split, dms lb. .31½ - .32

Chicago, bbls., frt. alld lb. 2.92 - —

Chlorosulphonic, dms., c.l., works lb. .036 - —
l.c.l., works lb. .041 - —
tanks, works lb. .031 - —

Chromic 99½ 99¾% dms., works lb. 25½ —
l.c.l., works lb. 26 27
USP (see Chromium trioxide)

Cinnamic, refd. bots lb. 2.50 4.00

Citric, anhyd. gran., fine gran., dms., c.l. lb. 26½ - —
10,000 lbs. 1 ship't lb. 27 - —
smaller lots lb 27½ - —
kgs. lb. 28½ —
Anhydrous citric acid powder ½c per lb. higher.

USP, cryst., dms., c.l. lb 27½ - —
19,000 lbs., 1 ship't lb 28 - —
smaller lots lb 28½ - —
kgs lb. 29½ - —
gran., fine gran., dms., c.l. lb. 24½ - —
10,000 lbs. 1 ship't lb. 25 - —
smaller lots lb 25½ - —
kgs. lb. 26½ - —
USP citric acid powder ½c per lb higher.

Cleve's, mixed, bls lb. .72 —

Coconut oil, dist., dms lb. .28 - .29¼
double dist., dms lb. .30 - .31¼

Cottonseed oil, dist., dms lb. .16 - .17¼
double dist., dms lb. .16½ - .17¾

Cresylic, dom., coaltar, 50% above 207°C, non-ret. dms., c.l., frt. equaled gal. 1.06 - 1.11
l.c.l., non-ret. dms., same basis lb. 1.09 - 1.14
ret. dms. c.l. same basis gal. .96 - —
l.c.l., same basis gal. .99 - —

Acid, cresylic, dom. coaltar 50% above 207°C, tanks, same basis gal. .95 - 1.00

204° to 207° C. non-ret dms., c.l., same basis gal. 1.06 - 1.11
l.c.l., same basis gal. 1.09 - 1.14
ret. dms. c.l. same basis gal. 1.01 - —
l.c.l., same basis gal. 1.04 - —
tanks, same basis gal. .95 - 1.00

petroleum, 179° C. to 198° C., non-ret dms c.l. San Francisco and Los Angeles gal. .67½ —
l.c.l., same basis gal. .69½ 71½
tanks, same basis gal. .57 —

195° to 213° C. non-ret dms., c.l. San Francisco and Los Angeles gal. .60½ - —
l.c.l., same basis gal. .62½ - .64½
tanks, same basis gal. .50 - —

200°C to 222°C, tanks, Wilmington, Cal gal. .40½ —

211°C to 236°C non-ret. dms., c.l., San Francisco and Los Angeles gal. .53½ —
l.c.l, same basis gal. .55½ - .57½
tanks, same basis gal. .43 - —

220°C to 242°C, tanks, Wilmington Cal gal. .38½ - 41½

237°C to 265°C. non-ret. dms., c.l. San Francisco and Los Angeles gal. .51½ - —
l.c.l., same basis gal. .53½ - .55½
tanks, same basis gal. 41 - —

245°C to 298°C, tanks, Wilmington, Cal gal. .36½ - —

295°C to 325°C, tanks, Wilmington, Cal gal. .26½ - —

Imported, coaltar, 75% at 215°C or over, dms., c.l.f. gal. 1.15 - 1.20

Crotonic fib dms works lb 29 —

Cyanoacetic tech bbls lb 90 1.25

Desoxycholic, bots lb. 22.00 -25.00

Dichlorophenoxyacetic, (see "D" 2 4-D)

Diethylbarbituric (see Barbital)

Diglycolic, bgs., works lb. .14 - —

Ethylthexoic, dms., c.l., works lb. .33 - —
l.c.l., works lb. .33½ - —
tanks, works lb. .31½ - —

F, crude, paste, bbls., works lb. 1.52 - —

Folic, bots, fib cans, kilo or more gram 2.00 —

Formic, 85% cbys. c.l. works lb. 13 13½
l.c.l., works lb 13½ 14
90%, chys., c.l. works lb 13½ 14
l.c.l. works lb 14 14½

Fumaric, tech., bbls., dms lb. .32 - .33

Gallic, NF VII, bbls., 1,000-lb. lots lb. 1.80 - —
smaller lots lb. 1.83 - 1.87
technical, bbls., 1,000-lb. lots lb 1.58 - —
smaller lots lb. 1.61 - 1.65

Gamma dry ground bbls., frt. alld lb. 1.37 - —

paste, bbls., frt. alld lb. 1.32 - —

Acacia—Acid, Nitric

Acid, gluconic, tech., 50%, bots lb. .23 .31
dms lb. .14 - —
kgs lb. .16 - —

Glutamic (laevo, 99% fiber dms., 100 lb. lots, works lb. 2.45 - —
25 lb. lots lb. 2.60 - —

Glycerophosphoric, 35% dms. works lb. 2.25 - 2.35

Glycolic (see Acid, hydroxyacetic).

H, 100% basis, bbls., works lb. .80 - —

Hydriodic, 45-47%, cbys lb 2.57 2.59
57%, cbys lb. 2.86 - —

Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .38 —
tech., 48%, chys. dlvd E lb .24 .36

Hydrochloric (see Acid, muriatic).

Hydrocyanic, cyls. works lb. 1.00 - —
dilute, NF, 2%, 5-lb bots lb. .37 - —

Hydrofluoric, anhyd. cyls., works. lb. .19 - .19¼
tanks, works lb. .16½ - —
30%, wood or rubber, dms., works lb. .08½ .09
70%, steel dms., works lb. .143 - .146
Hydrofluosilicic 30-35%, bbls lb. 08 .09

Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. 084 - —
tanks, Belle W. Va., 100% basis lb. 085 —

Hypophosphorus, purif., 50%, cbys. lb 1.30 1.32
USP, cbys lb. .78 - —

J, bbls, works, 100% basis lb. 2.50 2.85

Koch, bbls., frt. alld lb. .64 - —

L, bbls., frt. alld lb. 1.25 - —

Lactic edible 50%, bbls., 20 or more lb. .18½ - —
smaller lots lb. .19 - —
80%, bbls. 20 bbls. or more. lb. .285 .332
plastic grade, 50% bbls., 20 or more lb. .19¾ —
10 or less lb. .20¾ - —
80%, bbls., 5 or less lb. .3495 - .3549
tech., 22% bbls., c.l., works 100 lbs. 5.80 —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs. 10.95 - —
l.c.l., bbls., works 100 lbs. 11.35 - —
cbys., works 100 lbs. 11.85 - —
NF, 85% cbys lb. .69 .72

Laurent's, bbls lb. .60 - .87

Lauric, 90-95% dms lb. .30½ - .31
60% dms lb. .27½ - .28

Linseed oil, reg. dist., dms lb. .2170 - .2220
water-white, dms lb. .2470 - .2520

Maleic, powd., dms lb. .32 - .33
Anhydride (see M).

Malic, dms lb .45 —

Mandelic NF dms. 1,000-lb lots lb. 1.85 —
smaller lots lb. 1.90 - 2.10

Metanilic dms., works lb. .57 - —

Methacrylic, cms., c.l., and truckloads, works lb. .76 - —
less than truckload, works lb. .76½ - .80

Molybdic, dms. 85%-92% works lb. .88 —

Monochloroacetic, purified, flake, 99%, dms lb. .22½ - .24¼
tech., flake, 96-97%, bbls lb. .18 - .21

Muriatic, 18°, cbys., c.l., works 100 lbs. 2.05 - 2.30
l.c.l., works 100 lbs. 2.35 - 2.40
tanks, works ton. 22.00 -23.00
20°, cbys., c.l., works 100 lbs. 2.30 - 2.55
l.c.l., works 100 lbs. 2.60 - 2.65
tanks, works ton. 23.00 —
22°, cbys., c.l., works 100 lbs. 2.80 - 2.90
l.c.l., works 100 lbs. 3.10 - 3.90
tanks, works ton. 28.00 -30.00

CP, USP consumers, cbys., extra c.l., frt. equald lb. 07¾ —
l.c.l., same basis lb. 09¼ 09¾
5 pint bottles extra, cs., c.l., frt. equald lb 12¾ —
l.c.l., same basis lb 14¼ 15¼

Acid, muriatic, CP, USP, prices to dealers 1½c. per lb. less.

Myristic, dms., l.c.l lb. .35 Nom.

Naphthenic 220-230 acidity, dms. works lb. .14 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb .22 —
tanks, works lb. .19 - —

Naphthol(1)-4-sulphonic (see Acid Neville and Winther's)

Naphthol (1)-5-sulphonic (see Acid L)

Naphthol(1)-5-sulphonic,8-amino (see Acid, S).

Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).

Naphthol(2)-6,8-disulphonic (see Acid, Gamma)

(2)-7-Sulphonic,2-amino (see Acid, J).

Naphtholsulphonic mixed (see Acid, Cleve's, mixed)

Naphthylamine(1)-5-sulphonic (see Acid, Laurent's)
(2)-6-sulphonic (see Acid, Broenner's)
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias)

Neville and Winther's, dms., frt. alld lb. .97 - —

Nicotinic, USP, dms., frt. adjusted kilo. 8.00 8.30

Nicotinic amide (see Nicotinamide)

Nitric 36° cbys. c.l. E works 100 lbs 5.00 —
l.c.l., E works 100 lbs 5.40 6.10
38° cbys c.l., E works 100 lbs 5.50 —
l.c.l., E works 100 lbs. 5.90 6.60
40° chys. c.l., E works 100 lbs 6.00 6.50
l.c.l., E works 100 lbs. 6.40 7.10
42° cbys. c.l., E works 100 lbs. 6.50 7.00
l.c.l., E works 100 lbs 6.90 7.60

CP, NF, consumers, cbys., extra c.l., frt equald lb. 11½ —
l.c.l., same basis lb 13 13¼
5 pint bottles extra, cs., c.l., frt equald lb 15½ —
l.c.l. same basis lb 17 19

Acid, nitric, CP, NF, prices to dealers 1½c. per lb. less.

Abbreviations
Used in OPD Market Quotations

ACS	American Chemical Society	dist.	distilled	neut.	neutral
		dextro.	dextrorotatory	NF	National Formulary
alld.	allowed	distr.	distributor		
ammo.	ammonia	djus.	demijohns	nom.	nominal
amorph.	amorphous	dlvd.	delivered	No.	number
anhyd.	anhydrous	dms.	drums	ord.	ordinary
a.p.a.	available phosphoric acid	dom.	domestic	oz.	ounce
		E.	east	Pac.	Pacific
artif.	artificial	e.p.	end point	pf.	proof
ASTM.	American Society for Testing Materials	equald.	equalized	phos.	phosphate
		F.	fahrenheit	photo.	photographic
		ferment.	fermentation	pkgs.	packages
Be.	Baume	ffa.	free fatty acid	powd.	powdered
bgs.	bags	ffc.	free from chlorine	precip.	precipitated
bbls.	barrels			prod.	producer
bls.	bales	fib.	fiber	pt.	point
bots.	bottles	f.o.b.	free on board	pulv.	pulverized
b.p.	boiling point	F.P.A.	free of prussic acid	purif.	purified
b.p.l.	bone phosphate of lime			redist.	redistilled
		frt.	freight	refd.	refined
b.r.	boiling range	fus.	fused	refy.	refinery
bxs.	boxes			reg.	regular
C.	centigrade	gal.	gallon	resub.	resublimed
cbys.	carboys	gran.	granular	ret.	returnable
CD	completely denatured	grd.	ground	SD.	specially denatured
c.i.f.	cost, insurance, freight	i.&a.	iron and aluminum	s.d.	single distilled
		i.b.p.	initial boiling point	S. E.	southeast
cks.	casks			secs.	seconds
c.l.	car lots	imp.	imported	s.g.	specific gravity
cns.	cans	incl.	included	ship't	shipment
col.	color	indust.	industrial	solut.	solution
com'l	commercial	kgs.	kegs	s.u.	standard unit
conc.	concentrated	lacq.	lacquer	synth.	synthetic
CP	chemically pure	lb.	pound	tech.	technical
cps.	centipoises	l.c.l.	less than car lots	USP.	U. S. Pharmacopoeia
cryst.	crystal	liq.	liquid		
cs.	cases	m.a.p.	mixed anilin point	vis.	viscosity
ctns.	cartons			VM&P.	varnish makers & painters
cyls.	cylinders	min.	minimum		
dbl.	double	m.p.	melting point	W.	west
denat.	denatured	N.	nitrogen	w.w.	water white
dest.-dist.	destructive-distilled	nat.	natural	whse.	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

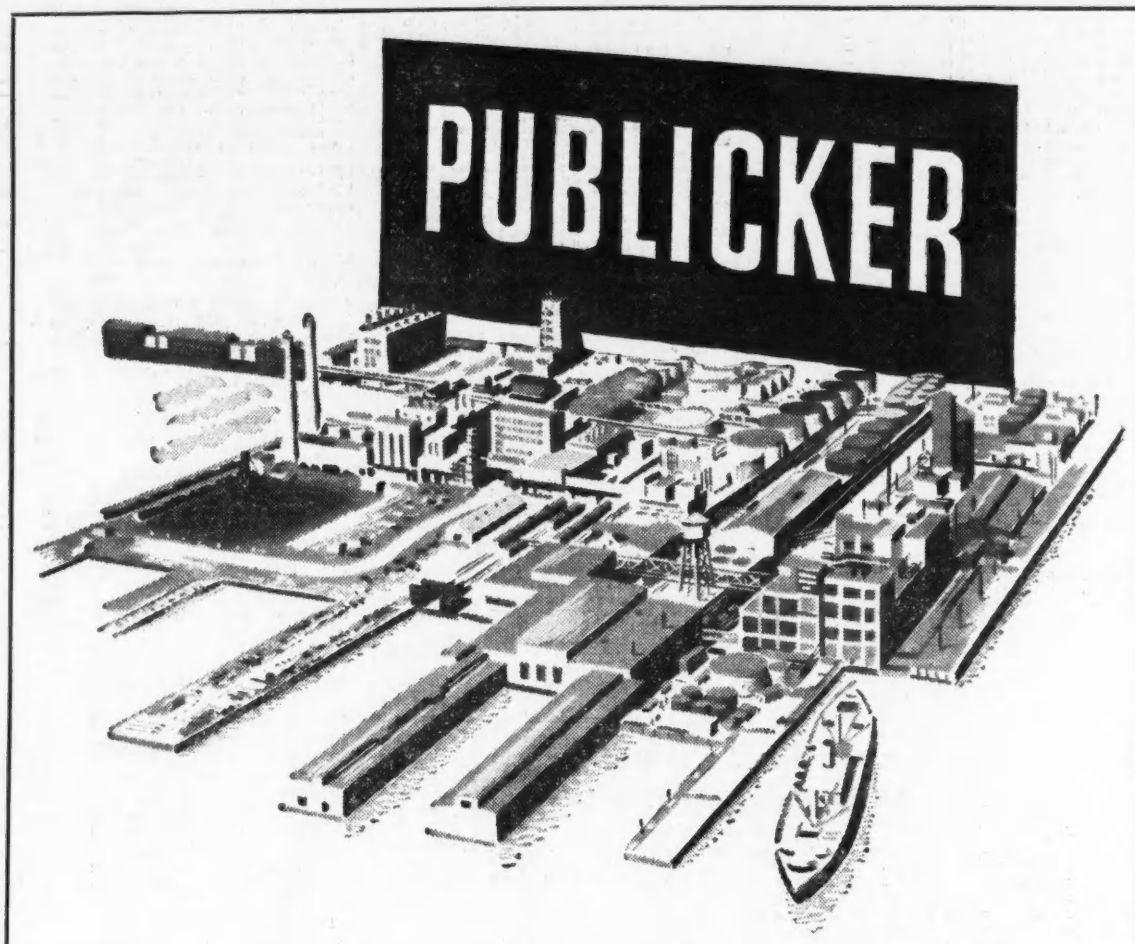
Acid, Octoic—Alcohol, Phenylethyl

Acid, octoic (see Acid, ethylhexoic).
Oleic (see Oil red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms. ton lots, works lb. .62 - —
smaller lots, works lb. .64 - —
Oxalic, bbls., c.l., works lb. .14¼- —
10,000 lbs., works lb. .14½- —
smaller lots, works lb. .15¼- .15½
Palm oil, white, dist., dms lb. .21¼- .21¾
Para-aminobenzoic, purified, dms., 100 lbs. or more, works lb. 3.75 - 5.10
smaller lots, works lb. 3.85 - 5.30
technical, dms lb. 1.74 - —
Para-aminosalicylic, dms., 1,000-lb. lots or more lb. 6.00 - 7.50
smaller lots lb. 6.05 - 7.80
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, dms lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
Peanut oil, s.d., dms lb. .12¾- .13¾
Perchloric, 60%, cbys., works lb. .58 .62
70-72%, cbys., works lb. .61 .66
Phenylacetic, bots lb. 1.45 - 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid mandelic).
Phosphoric, food grade, 75%, cbys., c.l. works, frt. equald 100 lbs. 6.50 —
l.c.l., works, frt alld 100 lbs. 7.00 - 7.50
tanks, works, frt. equald 100 lbs. 4.75 - —
NF, 85%, cbys., c.l lb. .10½- —
For shipments in cbys., add handling charges.
Picramic, ogs. lb. .65 - .70

Picric, NF, 300-lb. bbls. lb. .50 - —
smaller lots, dms lb. .81 - .87
tech., bbls. lb. .32 - .33
Propionic, natural, dms., works, lb. .16 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .21 - —
tanks, works lb. .19 - —
Pyrogallic, tech., bbls lb. 2.76 - 2.81
NF, cryst., dms lb. 3.25 - 3.30
Pyroligneous, dms. incl. l.c.l., works, South gal. .31 - —
Ricinoleic (see Acid, castor oil, split).
S, bbls., works lb. 2.97 - 3.00
Salicylic, crude, bbls lb. .28 - —
sublimed, tech., bbls., c.l. lb. .33 - —
l.c.l. lb. .40 - —
dyestuffs grade, bbls lb. .34 - —
USP, cryst., bbls lb. .42 - —
powder, bbls. lb. .47 - —
Sebacic, purified, dms., c.l., works, lb. .62 - —
l.c.l., works lb. .64 - .68
Soybean oil, single, dist., dms. lb. .17½- .18¾
double dist., dms lb. .18 - .19¼
Stearic, double pressed, bgs. lb. .19½- .20¾
single-pressed, bgs lb. .18½- .19¾
triple-pressed, bgs lb. .21¾- .23
Succinic, purified, cryst., bbls., works lb. .75 - —
tech., bbls., works lb. .65 - .75
Sulphanilic, tech., dms., c.s., frt. alld lb. .17 - —
l.c.l., frt. alld lb. .19 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.05 - 2.60
tanks, works ton. 16.20 - 16.65

Sulphuric 66° Be, cbys., c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.40 - 2.85
tanks, works ton. 19.85 - 20.00
98%, tanks, works ton. 21.00 - 21.30
CP, NF, consumers, cbys., extra, c.l., works, frt. equald, lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. .12¾- .13¾
fuming, 20%, tanks, works ton. 22.40 - —
acid sulphuric, CP, NF prices to dealers 1½c. per lb. less.
Tallow, dist., dms lb. .15½- 16¾
Tannic, tech. dms lb. No prices.
fluffy, bbls., 1,000-lb. lots lb. 1.59 - 1.60
smaller lots lb. 1.61 - 1.65
powder, bbls., 1,000-lb. lots lb. 1.50 - —
smaller lots lb. 1.51 - 1.54
Tartaric, USP, dom., 230, 250-lb. dms., 10,000 lbs., 1 ship't. lb. .36 - —
smaller lots lb. .36½- —
100-lb. dms lb. .37½- —
small dms lb. .39½- .41½
Imported, kgs. lb. .34 - .36
Thioglycolic, refined, bbls., cbys., basis 100% lb 1.60 - 1.80
tech., bbls. cbys. basis 100% lb 1.40 - —
Tobias, bbls., frt. alld lb. .69 - —
Toluenesulphonic, dms., c.l., works lb. .18½- —
l.c.l., works lb. .20 - —
tanks, works lb. .17 - —
Trichloroacetic, bots. lb. 2.00 2.50
Tungstic, tech., kgs., works lb. 2.20 - 2.40
Undecylenic, dms lb. 1.00 - 1.25
Aconite leaves, bls lb. .55 - .60
Root, bls lb. .48 - .52

Aconitine, amorph., mild, bots. oz. 27.50 - 32.50
cryst., potent, bots oz. 78.00 - 85.00
Acrolein, dms., works lb. .50 —
Acrylonitrile, dms., c.l., works lb. .40½- —
l.c.l., works lb. .41 - .60
tanks, works lb. .39 - —
Adeps lanae (see Lanolin).
Adonis vernalis herb, bls lb. .30 - .40
Agar, USP, Kobe, No. 1 strip, bls lb. 1.25 - 1.30
powdered, 30 mesh, fib. dms lb. 1.65 - —
Agaric, white, bls lb. 1.60 - 1.75
Agrimony herb, bls lb. .30 - .35
Alanine, dextro-laevo, dms., works, lb. 8.50 - 11.00
Albumen (eggs), edible, flake, bbls, lb. 1.28 - 1.30
powd., bbls lb. 1.31 - 1.34
tech., cryst., bbls lb. .78 - .80
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l lb. .67½- .72½
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾- —
l.c.l., dlvd lb. .32½- —
tanks, dlvd lb. .30 - —
Amyl, ex pentane, dms., c.l., frt. alld, E. Miss lb. .16¾- —
l.c.l., frt. alld E. of Miss lb. .17¾- —
tanks, frt. alld, E. of Miss lb. .15 - —
(see also Fusel oil, ref.)
fermentation, refined, 128-132°C, dms., c.l., dlvd lb. .33¾- —
l.c.l., dlvd lb. .34¾- —
tanks, dlvd lb. .32 - —
128-132°C, dms., l.c.l., dlvd, lb. .36 - —
ACS grade, dms., l.c.l., dlvd lb. .42 —
Benzyl, NF, dms lb. .60 - .88
tech., dms., works, frt. equald, lb. .45 .50
Butyl, fermentation, normal dms., c.l., frt. alld lb. .17¾- .23¾
l.c.l., frt. alld lb. .18¾- .29¾
tanks, frt. alld lb. .16 - .27
synthetic, normal, dms., c.l., frt. alld lb. .16¼- —
l.c.l., frt. alld lb. .17¼- —
tanks, frt. alld lb. .14½- —
secondary, dms., c.l., frt. alld, lb. .11¾- .12¾
l.c.l., dlvd., frt. alld lb. .12½- .13½
tanks, dlvd., frt. alld lb. .10 - .11
tertiary, dms., c.l., frt. alld, lb. .13¾- —
l.c.l., frt. alld lb. .14½- —
tanks, frt. alld lb. .12 - —
Capryl, dms., c.l., works lb. .26½- —
l.c.l., works lb. .27½- —
tanks, works lb. .25 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots. lb. 2.75 - 3.20
Denatured, SD12, SD13, CD14, dms., dlvd. E. of Miss. R. gal. .64 - .96½
l.c.l., dlvd. E. of Miss. R. gal. .68 - 1.05½
tanks, dlvd. E. of Miss. R. gal. .52 - .84½
Tankcar sales require written authorization by Alcohol Tax Unit.
Proprietary, solvent, dms., c.l., dlvd. E. of Miss. R. gal. .64½- .97½
l.c.l., same basis gal. .68½- 1.06½
tanks, same basis gal. .52½- .85½
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. gal. .63½- .97½
l.c.l., same basis gal. .67½- 1.06½
tanks, same basis gal. .51½- .85½
SD2B, dms., c.l., E. of Miss. R. gal. .63 - .98
l.c.l., same basis gal. .67 - 1.07
tanks, same basis gal. .51 - .86
SD3A, dms., c.l., E. of Miss. R. gal. .62 - .95½
l.c.l., same basis gal. .66 - 1.04½
tanks, same basis gal. .50 - .83½
SD23A, dms., c.l., E. of Miss. R. gal. .64½- .96½
l.c.l., same basis gal. .68½- 1.05½
tanks, same basis gal. .52½- .84½
SD25H, dms., c.l., E. of Miss. R. gal. .64½- .96½
l.c.l., same basis gal. .68½- 1.05½
tanks, same basis gal. .52½- .84½
SD27A, dms., c.l., E. of Miss. R. gal. 1.04 - —
l.c.l., same basis gal. 1.13 - —
tanks, same basis gal. .92 - —
SD30, dms., c.l., E. of Miss. R. gal. .61½- .93½
l.c.l., same basis gal. .65½- 1.02½
tanks, same basis gal. .49½- .81½
SD35A, dms., c.l., E. of Miss. R. gal. .64½- 1.01
l.c.l., same basis gal. .70½- 1.10
tanks, same basis gal. .52½- .89
SD40, dms., c.l., E. of Miss. R. gal. .64 - .98½
l.c.l., same basis gal. .68 - 1.07½
tanks, same basis gal. .52 - .86½
Diacetone, acetone free, dms., c.l., dlvd lb. .13¾- —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼- —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R. gal. 17.72 - 18.07
l.c.l., same basis gal. 17.76- 18.16
tanks, same basis gal. 17.60 - —
tax free, dms., c.l., dlvd. E. Miss. R gal. .62 - .97
l.c.l., same basis gal. .66 - 1.06
tanks, same basis gal. .50 - .85
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.62 - 18.97
l.c.l., same basis gal. 18.66 - 19.06
tanks, same basis gal. 18.50 - 18.95
Phenylethyl, cns lb. 1.40 - 1.60
Ethylbutyl, dms. c.l., works lb. .29½- —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd lb. .29¼- —
l.c.l., dlvd lb. .30¼- —
tanks, dlvd lb. .27¾- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l. works lb. .23 - —
tanks, works lb. 18 —
Isoamyl (see Alcohol, amyl fermentation, refined)
Isobutyl, dms., c.l., dlvd lb. .14¾- —
l.c.l., works lb. .15¾- —
tanks, dlvd lb. .13 - —
Iso-octyl, dms., c.l., works lb. .29¼- —
l.c.l., works lb. .29¾- —
tanks, works lb. .26¼- —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd gal. .49 - —
l.c.l., dlvd gal. .54 - —
tanks, dlvd gal. .37 - —
95%, dms., incl., c.l., dlvd gal. .50½- —
l.c.l., dlvd gal. .55½- —
tanks, dlvd gal. .38½- —
99%, dms., incl., c.l., dlvd gal. .52 - —
l.c.l., dlvd gal. .57 - —
tanks, dlvd gal. .40 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl).
Nonyl (see Trimethylhexanol).
Octyl, perfumer's grade, bots lb 1.70 3.25
technical (see Octanol, normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns lb. 1.30 - 1.60



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Publicker is big! It is the world's largest producer of Ethyl and Butyl Alcohols. Of equal importance, however, is Publicker's never-ending maintenance of *Quality* and *Service*. More and more critical buyers have turned to Publicker as a *dependable* source of supply for products of known purity and absolute uniformity.

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BUTYL ALCOHOL	**ETHYL ACETATE**	**THERMO ANTI-FREEZE**

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Alcohol, polyvinyl, type A, fiber-pack, Niagara Falls lb. .63 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., dlvd. lb. .10¾ -
l.c.l., dlvd lb. .11¾ -
tanks, dlvd lb. .09 -
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Waverly, N. Y lb. .47 -
dms., Niagara Falls, N. Y lb. .40½ -
l.c.l., Waverly, N. Y lb. .42½ -
tanks, Niagara Falls, N. Y lb. .38 -
industrial grade, dms., c.l., Niagara Falls, N. Y lb. .29 -
l.c.l., Waverly, N. Y lb. .30½ -
tanks, Niagara Falls, N. Y. lb. .26½ -
Aldol, 95%, dms., works lb. .15 .16
denaturing grade, dms gal. 1.33 1.48
Aldrin, 60% solut., dms., c.l., works, frt. alld lb. 1.06 -
l.c.l., works, frt. alld lb. 1.20 -
Aletris root, bgs lb 1.50 - 1.60
Algin, bbls., fib. dms lb. .76 - 1.20
Alizarin (see Red, alizarin)
Alkanet root, bgs lb. 35 - .40
Allethrin, 100%, dms., 1 to 10 dm.-lots lb. 45.00 -
smaller lots, works lb. 50 00 -55.00
solution, 20%, dms., 100 lb.-lots, works lb. 9.00 -
10%, dms., works gal. 37.75 -
2%, dms., works gal. 7.75 -
Allspice, Jamaica (see Pimento)
Mexican, bgs., futures lb. .20 - .21
Allyl bromide, cyls., 5,000 lbs., works lb. .99 -
smaller lots, works lb 1.05 1.10
Chloride, dms., c.l., dlvd lb. .16¾ -
l.c.l., dlvd lb. .17½ -
tanks, dlvd lb 15 -
Starch, solid, dms., works lb. .51 -
solution, 40%, dms., works lb. .25½ -
Aloe, Cape, cs lb. .22 - .23
Curacao, kgs. lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, USP, bbls., dms., kgs lb. 3 50 -
Alphanaphthol, bbls., frt. alld lb. .77 -
Alphanaphthylamine, bbls., frt. alld. lb. .45 -
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 2.00 - 2.40
Alphanitronaphthalene, bbls., frt. alld lb. .37 -
Alphapicoline, ref. dms., c.l., works, frt. equald lb. .29½ -
l.c.l., works, frt. equald lb. .30 -
Alphapinene, tanks, South, works gal. No prices.
Alphaterpineol, dms., t.c.l., dlvd f.o.b. lb. .17 -
Alphatocopherol, bots kilo. 350.00 -
Acetate, bots kilo. 350.00 -
Althea root, NF, peeled, bls lb .30 - .40
Alum, ammonium, gran., bbls., works 100 lbs. 3.30 -
lump, bbls., works 100 lbs. 4.05 -
powd., bbls., works 100 lbs 4.20 -
USP, burnt, bbls. lb. .20 .21
hydrous, bbls lb. .07¾ .08
Potassium, gran., bbls., works, 100 lbs. 4.05 -
lump, bbls., works 100 lbs. 4.30 -
powd., bbls., works 100 lbs 4.45 -
USP, burnt, bbls lb. .20 .21
hydrous, bbls lb. .07¾ .08
Potash-chrome, dms. lb. .17 -
Soda, bbls., c.l., works 100 lbs 3.25 -
l.c.l., dlvd 100 lbs 4.25 5.00
Alumina, calcined, bgs., c.l., works lb. .03½ - .05½
crystalline (see Aluminum oxide)
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 -
20%, bbls., l.c.l., works lb. .10 -
Chloride, anhyd, com'l, dms., c.l., works lb. .13 -
l.c.l., works lb. .13½ -
cryst, com'l, dms., c.l., works lb. .0650 -
l.c.l., works lb. 0690 -
NF, gran., dms., works lb. .27 .28
solution 32° cbys., c.l., works lb. .03¼ -
l.c.l., works lb. .04 -
Fluoride, tech, anhyd., bbls., c.l., works lb. .10 -
l.c.l., works lb. .11 - .13
Formate, basic solution, cbys., c.l lb. .09½ -
l.c.l., works lb. .10 -
Hydrate, heavy, bgs., c.l., frt. equald ton. 50.00 -54 00
l.c.l., works ton. 72.00 -86.00
light, bgs., dlvd lb. .17 -
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .21¼ -
contract, works lb. .20¼ -
9-9½% Al_2O_3, fib. dms., works lb. .18¼ -
contract, works lb. .17¼ -
dried, USP XII, fib dms., works. lb. .79½ -
contract, works lb. 76½ -
powder, tech, (see Aluminum hydrate).
Laurate, precip., bbls lb. .38½ -
Linoleate, solid, dms., frt alld lb. .39½
Metal, 99%+, ingots, 10,000 lbs. lb. .19 -
pigs, 10,000 lbs lb. .18 -
Naphthenate, liquid, 1.7%, frt. alld. lb. .26 -
Oleate, dms, precip lb. .35¼ -
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld lb. .14 - .15
kgs, ton, frt. alld lb. .12½ -
smaller lots, frt alld lb .13 .15
280-400 mesh, dms., frt. alld lb 32 .33
kgs., frt alld lb 31 -
500 mesh, dms, frt alld lb. .35 .37
kgs, frt alld lb 34 -
600 mesh, dms, frt. alld. lb. .51 - .53
kgs, frt alld lb 50 -
Aluminum oxide flour prices 1¢ of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd lb .36 - .86
unclassified, dms, frt. alld. lb. .16 - .17
kgs, frt alld lb 15 -
Paste, lining, extra fine, dms lb. .59½ -
standard, dms lb. .41 -
Powder, lining, extra fine, dms lb. .97½ -
standard, dms lb. .68½ -
rubber comp., dms lb. .58½ -
unpolished, standard, dms lb. .54½ -
varnish standard, dms lb. .59 -

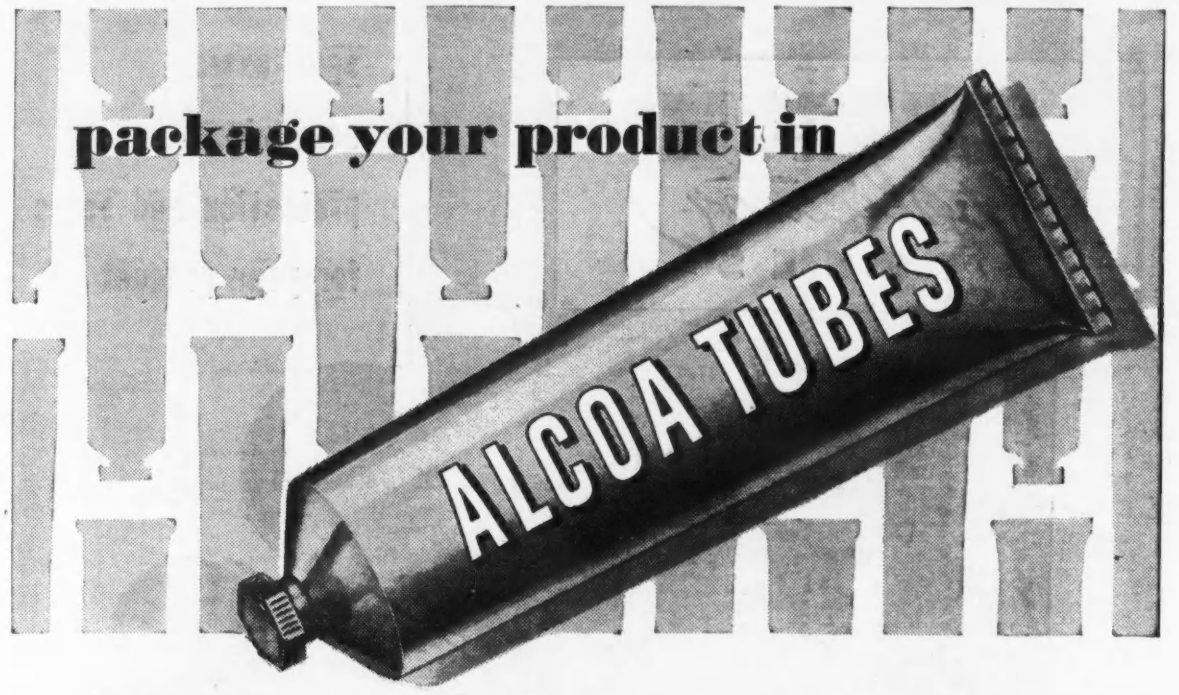
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb for 100-lb dm., 1½c per lb for 50-lb dm., 3c per lb for 10-lb. can, and 5c to 12c per lb for smaller containers. Deduct 1c. per lb for single shipment of 400 to 1,499 lbs. 2c for 1,500 to 4,999 lbs., 3c for 5,000 to 29,999 lbs., and 4c for 30,000 lbs or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs or over.

Aluminum resinate, precip., dms., frt. alld lb. .25¼ -
Stearate, dibasic, ctns., c.l. lb. .35 -
l.c.l. lb. .36 -
monobasic, ctns., c.l. lb. .35 -
l.c.l. lb. .36 -
tribasic, ctns., c.l. lb. .35 -
l.c.l. lb. .36 -
Sulphate, com'l, bulk, c.l., works, 100 lbs. 1.65 -
iron-free, bgs., c.l., works, frt. equald 100 lbs 2.75 -
l.c.l., works 100 lbs 3.15 -
NF, gran., dms, works lb .27 .28
powd., dms., works lb. 32 .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots oz. 8.00 -10.00
Aminoazotoluene, bbls lb. 1.03 -
Aminomethylpropanol, cns., dms., works lb. .60 -
Aminoethylethanolamine, dms., c.l., works lb. .42 -
l.c.l., works lb. .42½ -
tanks, works lb 40 -
Aminophylline, USP, 100-lb. dms. lb. 5.35 - 5.85
Aminopyrine, USP, bots, dms lb. 6.00 6.15
Ammonia, anhydrous, fertilizer, tanks, works ton. 74.00 75 00
pure, cyls., extra, zone 1 lb. .17 17½
2 lb. .19 19½
3 lb. .21 21½
4 lb. .16 19½
refrigeration, tanks, works ton. 76.50 -77 50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 -
l.c.l., works 100 lbs. 3.50 -
tanks, works, anhyd basis ton. 80.00 -81.00
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bgs, c.l., works, frt. equald 100 lbs. 7.00 -
l.c.l., same basis 100 lbs. 7.40 -
white, gran, ngs, c.l. works 100 lbs 4.60 -
l.c.l. works 100 lbs 6.25 -

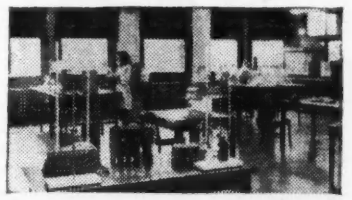
Ammoniacal liquor, tankcars, works, anhyd basis ton 75 00 -80 00
Ammonium acetate, purified, dms lb .39 .40
reagent, jars lb 61 63
Benzoate, USP, dms, kgs., 4,000 lbs. frt alld lb .80 -
smaller lots, frt alld lb .81 1.08
Biborate, bbls., c.l. works ton 302.00 -
ton lots, works ton 355 50 -
less ton lots works ton 360 50 -
Bicarbonate, dms., c.l., works lb. .05½ -
l.c.l., works lb. .06 -
Bichromate, bbls., works lb. .33 - .38
Bifluoride, dms, dlvd lb 18 18¼
Bromide, gran., NF, bbls lb. .38 - .39
dms. lb. .39 - .42
Powdered ammonium bromide 10c. per lb higher.
Carbonate, USP, lump, powd., dms lb. .20 .21
Chloride, tech (see Ammoniac, sal)
USP, gran., bbls, dms lb .18 .19
Citrate, dibasic, bbls lb 73 -
dms lb .80 .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms lb 2.40 -
Iodide, NF, jars lb. 3.81 - 3.91
Linoleate, plastic, 80% dms., works lb. 40½ -
kgs., works lb. 42½ -
25%, dms., frt. alld lb .21½ -
tech., bbls., works lb. .37 -
dms., works lb .39 -
Molybdate, chemical grade, bbls., kgs lb. .85 -
metal grade, kgs lb. .90 -
tech. grade, bbls, kgs lb. .80 -

Alcohol, Polyvinyl—Ammonium Thiocyanate

Ammonium nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point ton. 63.00 -
dom., ngs, western works ton 58 00 -
Nitrate-dolomite, 20.5% N, bgs. Hopewell, Va ton 46 00 -
Oleate, dms, precip lb 23¼ -
Oxalate, fine gran, dms lb 25 .31
Pentaborate, gran, bbls., c.l. works ton. 212.00 -
ton lots, works ton 265 50 -
less ton lots works ton 270 50 -
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs, works lb 50 75
Persulphate, kgs lb 25½ 28¼
Phosphate, com'l, bgs., c.l., works lb. .08¼ -
l.c.l., works lb. .08¾ -
dibasic, NF V, bbls, dms lb 40 -
tech, bgs., c.l., works lb 08 -
l.c.l., works lb 08½ -
Salicylate, NF, dms., kgs lb. 1.34 1.38
Silicofluoride, dms, works lb 12 13
Sulphamate, bbls, dms, works lb 18 20
Sulphate, coke-oven, bulk, producing ovens ton 32.00 -37 00
converters' bulk, works ton. 37.00 -38.00
Sulphide, liquid, 40-45% basis, 100% dms., c.l. works. lb 10½ -
l.c.l. works lb 15½ -
tanks, dlvd, or frt alld lb 09 -
Sulphocyanide, tech (see Ammonium thiocyanate)
Thiocyanate, tech., bbls., c.l. works lb. .13 - .15
l.c.l., works lb. .16 - .20

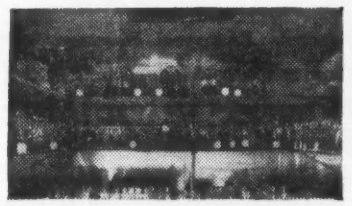


AT YOUR SERVICE—First to introduce the aluminum collapsible tube in America, Alcoa has continued to pioneer in its development. In our modern packaging laboratory, tests are constantly being conducted on many different products packaged in Alcoa Tubes. Pharmaceuticals, shaving and dental creams, cosmetics, adhesives and technical compounds have all been tested with success. These modern facilities are at your service at no charge to you. Just write:



SCIENTIFIC TESTING is performed in this fully equipped laboratory which contains every facility for accurate testing of product behaviour in aluminum tubes.

ALUMINUM COMPANY OF AMERICA
1753K Gulf Bldg. • Pittsburgh 19, Pa.



NO GUESSWORK: We make sure your product is right for aluminum tubes. That's why we never recommend aluminum until after a 3-month (minimum) storage test has been run in this high-temperature (100°-102° F) cabinet.

PERIODIC CHECKS (every 30 days) are made during the high-temperature storage test. Tubes are opened, examined under a microscope—contents are carefully checked.

ALL ANGLES are considered. Consumer Use Tests (using the tube as a consumer would in using your product) are frequently made. When tubes are empty, they're examined inside and out for evidence of failure.

Here are some of the industrial products now packaged in Alcoa Aluminum Tubes:

Automotive, Body Cleaner, Buffing Compound, Caulking Compound, Cold Solder, Gasket Cement, Gear Lubricant, Glazing Putty, Hand Cleaner, Ink, Liquid Hide Glue, Marine Glue, Outboard Motor Lubricant, Paint Pigments, Polishing Compound, Rubber Cement, Silicone Compound, Spot Putty, Trim Cement, Weather Strip Cement

Ammonium Thioglycollate—Bismuth Subsalicylate

Ammonium thioglycollate, commercial, 100% basis, cbys lb. 1.40 - 1.60
highly purified, same basis lb. 1.70 - 1.90
Thiosulphate cryst., jars works lb. .32 - —
Amphetamine citrate dextro bots lb 36.00 - —
dextro-laevo dms lb 6.50 - —
Hydrochloride, dextro, dibasic, bots lb 36.00 - —
monobasic bots lb 34.00 - —
dextro-laevo dms lb 6.50 - —
Phosphate dextro dibasic bots lb 36.00 - —
dextro-laevo dibasic, dms lb 6.50 - —
monobasic dms lb 6.00 - —
Sulphate, dextro dms lb 36.00 - —
dextro-laevo dms lb 6.50 - —
Amyl acetate ex tusel oil, tech. dms., c.l., dlvd lb. .24¾- —
l.c.l., dlvd lb. .25¾- —
tanks, dlvd lb. .23 - —
ex pentane dms. c.l., frt. alld E of Miss. R lb. .16 - —
l.c.l. same basis lb. .17 - —
tanks, same basis lb 15 - —
Alcohol (see Alcohol amyl).
Butyrate dms lb .90 - 1.00
Cinnamic, aldehyde, dms lb. 1.60 - 2.05
Nitrite USP bots lb 1.75 - 1.83
Salicylate, cns., dms lb. .80 - .85
Anethol, NF, cns., dms lb. .95 - 1.25
Angelica root, dom. bls lb .65 - .70
imported, bls lb. .80 - .90
Angostura bark, bls lb. .48 - .50
Aniline oil, dms., c.l. works, frt. alld lb. .17 - .17½
l.c.l., works, frt. alld lb. .18 - .18½
tanks, works, frt. alld lb. .16 - —
Salt, dms., frt. alld lb. .28 - —

Anise, Argentine bgs lb No stocks.
Chinese, star, bgs lb. .24 - .25
Cyprus ogs lb .20 - 20½
Czech, bgs lb. .15½- .16
Mexican, bgs lb. .16 - .16½
Spanish bgs lb .15 Nom.
Turkish, bgs lb. .15½- .16
Anisic aldehyde, bots., dms lb. 2.00 - 2.45
Annatto powder, dms lb. .24 - .25
Seed, bgs lb. .16 - .19
Anthracene, 80-85%, bbls., works lb 1.10 - —
90%, bbls. works lb. 1.25 - —
Anthraquinone, 99.5%, bbls., frt., alld lb. .80 - .83
Antimony butter (see Antimony trichloride)
Metal, bulk, c.l., mines lb. .32 - —
cases, c.l., mines lb. .32½- —
Oxide, bgs., c.l., frt. alld lb. .27½- .29½
l.c.l., frt. alld lb. .28½- .30½
Trichloride, pails, works lb. .34 - .36
solution, cbys lb. .33¼- .34
Sulphide 62-64%, bgs. frt. alld., dlvd lb. .24 - .24½
Antimony potassium tartrate (see Tartar emetic).
Antipyrene, USP dms lb 2.35 - 2.45
Apomorphine, USP, bots. oz. 23.20 - 23.70
Archil extract, bbls lb No stocks.
Areca nuts, powd., bbls lb .15 - .16
Arecoline hydrobromide NF bots. oz. 5.00 - 5.75
Arginine hydrochloride, laevo, dms. kilo. 70.00 - 80.00
Argols, min. 50%, bgs., shipment ports per 100 kilos (100% purity) 17.00 - —
Arnica, flowers, bls lb. .45 - .50
root, bls lb 1.45 - —
Arrowroot, powd., bgs lb. .14 - .16

Arsenic, metal, lump, bbls., prompt shipt lb. .80 - .90
Sulphide, yellow, bbls lb. No stocks.
Trioxide, USP, dms lb. .40 - —
White, powd., bbls., c.l., dlvd lb. .06 - —
l.c.l., dlvd lb. .07 - .08
Asafetida, cs lb. .32 - .35
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous N. Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton. 940.00 - 960.00
No. 2, c.l. (20 tons), mines ton. 485.00 - 492.00
Run-of-mine, c.l. (20 tons), mines ton. 400.00 - —
fiber, 3R, c.l. (20 tons) mines ton. 313.00 - —
3R, c.l. (20 tons), mines ton. 267.00 - —
3T, c.l. (20 tons), mines ton. 249.50 - —
3Z, c.l. (20 tons), mines ton. 231.00 - —
4K, c.l. (20 tons), mines ton. 124.50 - —
4M, c.l. (20 tons), mines ton. 124.00 - —
4T, c.l. (20 tons), mines ton. 111.50 - 141.00
4Z, c.l. (20 tons), mines ton. 111.50 - —
5D, c.l. (20 tons), mines ton. 88.00 - —
5K, c.l. (20 tons), mines ton. 88.00 - —
5M, c.l. (20 tons), mines ton. 84.00 - —
5R, c.l. (20 tons), mines ton. 78.50 - 79.00
6D, c.l. (30 tons), mines ton. 58.00 - 59.00
7D, c.l. 30 tons), mines ton 52.00 - 52.50
7F, c.l. (30 tons), mines ton. 49.00 - 49.50
7H, c.l. (30 tons), mines ton. 41.50 - 42.00
7K, c.l. (30 tons), mines ton. 35.00 - 35.50
7M, c.l. (30 tons), mines ton. 30.50 - 31.00
7R, c.l. (30 tons), mines ton. 29.50 - 30.00
7T, c.l. (30 tons), mines ton. 28.00 - 28.50
7RF, c.l. (30 tons), mines ton. 30.50 - 31.00
7TF, c.l. (30 tons), mines ton. 30.50 - 31.00
8S, c.l. (30 tons), mines ton. 19.00 - 27.00

Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l lots.

Asphaltum, cut-back, tanks, tank wagon, refinery gal. .09 - —
Emulsion, tanks, tank wagon, refinery gal .09½- .10

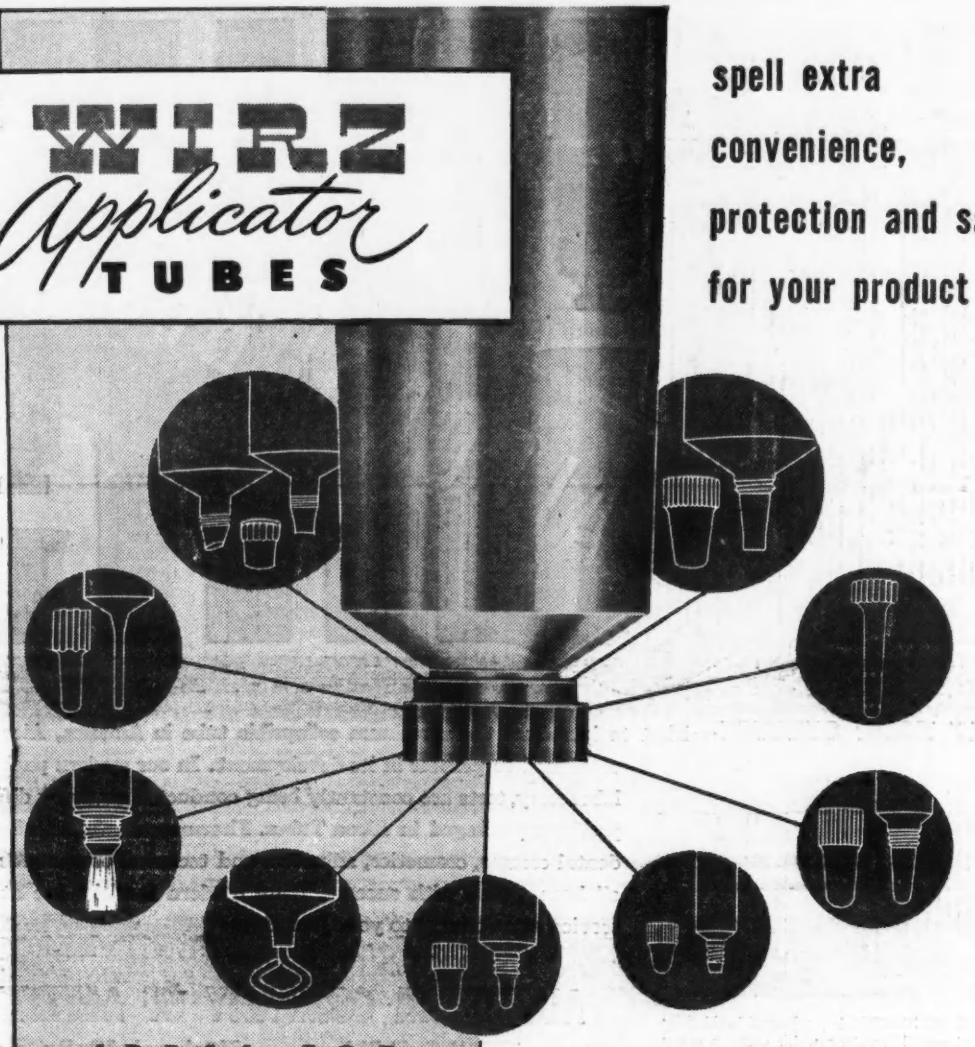
Asphaltum, gilsonite, brilliant black, selects, 270°-295° F fusing point, c.l., bgs., f.o.b. Colo. mines ton. 37.00 - —
seconds, 300°-390° F, fusing point not uniform, c.l., bgs., Colo. mines ton. 34.00 - —
jet, c.l., bgs., Colo. mines ton. 34.00 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
Steam-rfd., less than 80 penetration, tanks tankwagon refinery ton. 22.00 - —
80-300 penetration tanks tankwagon, refinery ton. 21.00 - —
Atropine, USP, bots oz. 9.75 - 10.00
Sulphate, USP, bots oz. 5.75 - 6.35

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial. 2.88 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barbasco root (see Cube root).
Barberry, root bark, bgs lb. .40 - .45
tree bark, bgs lb. .40 - .45
Barbital, USP, dms lb 4.50 - —
Sodium, USP, dms lb. 4.77 - —
Barium carbonate, precip., bgs., 10 tons and up, works ton. 80.00 - 85.00
smaller lots, works ton. 90.00 - 95.00
Chlorate, kgs., works lb. .25½- .31
Chloride, NF, cryst., dms lb. .17 - .18
tech., crystals bgs., c.l., works. ton. 100.00 - —
l.c.l., works ton. 110.00 - —
Chromate bgs. frt equald lb .31½- .32
Dioxide, dms., works lb. .12 - —
Hydrate crystals, bgs. lb. .09 - .09½
Hydroxide, anhyd., bbls.,works lb. .19 - —
Iodide, bots lb 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .11½- —
l.c.l. works lb. .13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
l.c.l. works lb .11½ - —
Peroxide (see Dioxide).
Stearate, ctns., c.l. lb. .39 - —
smaller lots lb. .40 - .41
Sulphate tech. (see Barytes and Blanc fixe).
X-ray, bbls. lb 13 - .13½
Sulphide dms., c.l., works ton 95.00 - —
l.c.l., works ton 70.00 - —
Barium-potassium chromate, dms. c.l., frt alld lb 20 - —
l.c.l. works lb 21 - —
tech., bgs. c.l., works, frt. equald. ton. 90.00 - —
l.c.l., works. ton. 100.00 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton 9.40 - 12.50
Barytes, water-grd., paper bgs., c.l. St. Louis ton. 37.60 - 37.85
ex whse., N. Y. ton. 53.45 - 61.75
Southern off-color, bgs., mines ton 19.00 - —
95-75% bgs. mines ton. 20.00 - —
Bauxite bulk, mines ton. 8.50 - 10.00
Bay leaves (see Laurel leaves).
Belladonna leaf, bls lb. .50 - .55
Root, bls. lb. .40 - .41
Bentonite, 200 mesh, bgs., works ton. 12.00 - —
Benzaldehyde, NF, dms lb. .70 - —
tech., cbys., dms lb. .47 - .52
Benzal chloride, cbys., works lb. .22 - .23½
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit lb. .01¾ —
l.c.l., works, unit lb. .02 - .02½
gamma, 50% dust, dry, distributors, dms., c.l., dlvd., gamma unit lb. .02 - —
l.c.l., dlvd., gamma unit lb. .02½- —
wet, distributors, dms., c.l., dlvd., gamma unit lb. .02½- —
l.c.l., dlvd., gamma unit lb. .03 - —
Benzidine base bbls lb. 1.02 - —
Hydrochloride, bbls., frt. alld lb. .85 - —
Benzocaine, dms. lb. 3.50 - 3.62
Benzol, pure, nitration, tanks, works,
Bethlehem, Pa gal. .31 - —
Birmingham district gal. .30 - —
Chicago district gal. .30 - —
Cleveland district gal. .30 - —
Geneva, Utah gal. .30 - —
Johnstown, Pa gal. .30 - —
Lackawanna, N. Y. gal. .32 - —
Lone Star, Texas gal. .32 - —
Lorain, Ohio gal. .30 - —
Minaqua, Colo gal. .30 - —
Philadelphia, Pa gal. .30 - —
Pittsburgh district gal. .30 - —
Sparrows Point, Md. gal. .32 - —
Syracuse, N. Y gal. .30 - —
Terre Haute, Ind. gal. .30 - —
Wyandotte, Mich gal. .30 - —
Youngstown, Ohio gal. .30 - —
Benzophenone, dms lb. 1.30 - 1.60
Benzotrichloride, cbys., frt. equald. lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. eq lb. .20½- .21
l.c.l., same basis lb. .21½- .22
Peroxide, pure, fib. ctns., works. lb. .90 - 1.05
Benzyl acetate, f.f.c., cns., dms lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 - .19½
l.c.l., same basis lb. .20 - .20½
high grade, zc. ngncr.
Cinnamate, cns. lb. 3.00 - 4.00
Formate, cns lb. 1.60 - 2.10
Propionate, bots lb. 1.35 - 1.65
Salicylate, bots lb. 1.65 - 1.85
Benzylidinacetone, bots lb. 1.80 - 2.45
Benzylisoeugenol, bots lb. 8.90 - 9.50
Berberine, bisulphate, cns lb. 35.00 - 36.25
Hydrochloride, bots lb. 35.00 - 36.25
Sulphate, cns lb. 35.00 - 36.25
Berberis root, bls lb. .35 - .40
Betagammapicoline, dms., c.l., works. lb. .21 - .21½
l.c.l., works lb. .21½- .22
Betamethylnaphthalene, 32°C. m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .77 - —
tech., bbls., c.l., works lb. .30½- —
l.c.l., works lb. .32½- —
Benzoate, fib. dms., works lb. 1.70 - —
Salicylate, dms. lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .90 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Betapicolin, 98%, dms., works lb. .95 - —
Beth root, bls lb. .45 - .50
Biotin, cryst. gram. 10.00 - —
Bismuth chloride, jars lb. 5.11 - —
Hydroxide, dms lb. 4.65 - —
Metal, bxs., ton lots lb. 2.25 - —
Nitrate, cryst., dms lb. 2.17 - —
Oxide, anhydrous, dms lb. 4.47 - 4.85
Oxychloride, dms lb. 4.32 - 4.37
Phenolsulphonate, fib. dms lb. 5.22 - —
Subcarbonate, USP, dms lb. 3.20 - —
Subgallate, NF, fib. dms lb. 3.15 - —
Subiodide, fib. dms lb. 5.37 - —
Subnitrate, NF, dms lb. 2.65 - —
Subsalicylate, USP dms lb. 3.50 - —

WIRZ Applicator TUBES

spell extra convenience, protection and sales for your product



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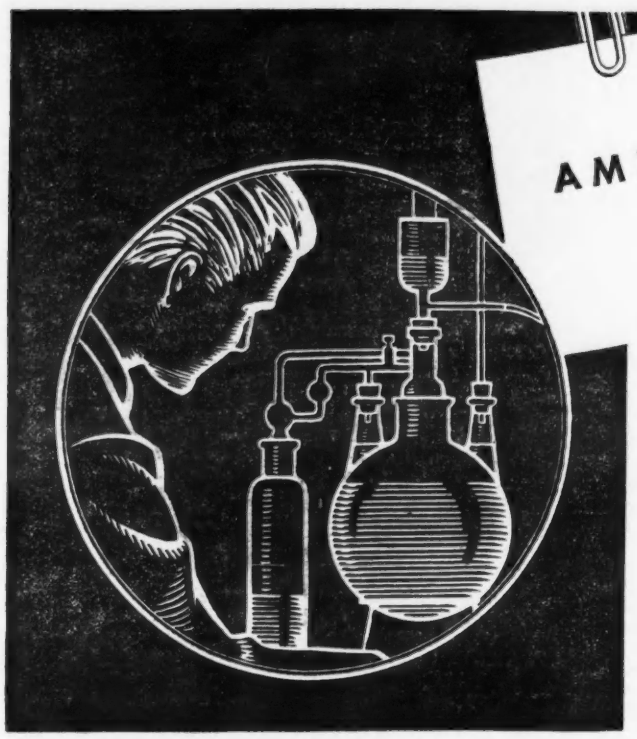
Collapsible Metal Tubes • Lacquer Linings • Wax Linings • Westite Closures • Soft Metal Tubing • Household Can Spouts • Applicator Pipes • Compression and Injection Molding

Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Black, acetylene, bgs., c.l., works lb .13½ - —
cs., l.c.l. shipt. point lb. 17 - 19
Bone, bgs. bbls. l.c.l. dlvd lb 14½ - 22½
Carload price ½c per lb less. Deliveries to the Pacific Coast ex dock or whse. 1½c per lb higher
Carbon, channel, beads, bulk, c.l., works lb. .07 - —
bgs., c.l., works lb. .0740- —
l.c.l., dlvd. or whse lb. .1225- —
uncompressed, regular, bgs., c.l., works lb. .0950- —
bgs., ctns., l.c.l., dlvd. or whse lb. .1550- —
furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l., whse lb. .10 - —
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse lb. .0950- —
semi-reinforcing, bgs., c.l., works lb. .04 - —
ctns., l.c.l., whse lb. .08 - —
very fine, bgs., c.l., works lb. .08 - —
l.c.l., dlvd., or whse lb. .1250- —
Charcoal (see C)
Graphite (see G)
Iron oxide synthetic bgs., c.l., works lb. .11 - —
l.c.l., works lb. .11¼ - —
Lamp, bgs., c.l., works lb. 07 30
Mineral, bgs. works lb 0160 0675
Black ash (see Barium sulphide)
Blackberry bark of root, bls lb. .50 .32
root, bls lb. .10 12
Black dyes (see Dyes)
Black haw, root bark, bls lb. 65 75
Tree bark bls lb 28 30
Black Indian hemp root, bls lb. .50 - .58
Blanc fixe, dry, by-product, bgs., c.l., works ton.85.00 - —
l.c.l., works ton.95.00 - —
direct process, bgs., c.l., works ton.90.00 - —
l.c.l., works ton.120.00 - —
N. Y. whse ton.120.00 -140.00
bbls., c.l., works ton.95.00 - —
l.c.l., works ton.120.00 -140.00
N. Y. whse ton.120.00 -140.00
pulp 66⅔% bbls. c.l., works ton.69.00 - —
l.c.l., same basis ton.75.00 - —
Bleaching powder dms. c.l., works 100 lbs. 5.00 - —
l.c.l., works 100 lbs. 6.00 - —
Blood, dried, 16-16½% ammo., bgs unit-ton. 8.25 - —
high-grade, unground, 16-17% ammon., bulk, Chicago unit-ton. 8.50 - —
soluble, bgs., cs lb. .16 - .17
l.c.l. lb. .17 - .24
Bloodroot, bls lb. .50 - .63
Blue, alkali dry, bbls., dlvd. N of Tenn and N.C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner, bbls. litho flushed, same basis lb 1.05 —
Celestial, bbls. same basis lb 15 .16
Chinese, bbls., same basis lb. .42 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue ultramarine)
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 - 3.85
80%, bbls., same basis lb 3.00 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda)
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis lb. .42 - —
Peacock, fugitive, 100% color strength, same basis lb 60 .79
Permanent toner, green shade, molybdic, bbls., same basis lb 3.75 - —
tungstic lb 4.00 —
Potash CP bbls same basis lb 51 —
Prussian, bbls., same basis lb. .42 - —
soluble, bbls., same basis lb. .42 - —
Soda, C.P., bronze, bbls., same basis lb. .42 - —
Ultramarine, cobalt type dry or pulp, bbls same basis lb .25 .26½
jobbing type dry bbls., same basis lb. 14 —
regular types, dry or pulp bbls., same basis lb. .20 - .30½
Victoria toner, molybdic bbls lb 3.75 —
Tungstic, bbls lb 3.75 —
Violet toner, molybdic, bbls, same basis lb 1.24 —
Tungstic, kgs. same basis lb 2.60 2.70
Blue dry colors, dlvd. prices ½c higher Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago
Blue dyes are listed under Dyes.
Blueflag, root, bls lb. .50 - .55
Bluestone (see Copper sulphate)
Blue vitriol (see Copper sulphate)
Boldo leaves, bls lb 65 .12
Bone, raw, bulk, Chicago ton 75.00 —
junk, bulk, same basis ton 50.00 -52.00
Meal, raw, 4½% ammon., 50% phos. bgs. E. works ton 62.50 - —
Chicago, works ton 62.50 - —
steamed, feeding grade, 1% ammon., 60% phos., E. works ton.60.00 - —
Chicago, works ton.60.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs. E. works. ton 62.50 - —
Chicago, works ton 62.50 - —
Phosphate, defluorinated (see D).
precipitated (see Calcium phosphate, tribasic precip).
Boneset leaves, bls lb. 15 - .16
Borage flowers, bls lb. 40 45
Borax, tech. anhydrous, bgs., c.l., works ton.70.50 - —
ton lots ex whse N. Y. or Chi ton.115.25 - —
less ton lots, same basis, ton.120.25 - —
bbls., c.l., works ton.90.50 - —
ton lots ex whse N. Y. or Chi ton.135.25 - —
less ton lots, same basis, ton.140.25 - —
bulk, c.l., works ton.64.00 - —
crystals 99½% bgs. c.l., works ton.61.25 —
ton lots ex whse N. Y. or Chi ton.100.00 - —
less ton lots same basis, ton.111.00 - —
bbls., c.l., works ton.81.25 - —
ton lots, ex whse N. Y. or Chi ton.126.00 —
less ton lots same basis, ton.131.00 - —
bulk c.l. works ton 57.25 - —
Borax, tech., granular, 99½%, bgs., c.l., works ton.35.25 - —
ton lots, ex whse N. Y. or Chi ton 80.00 - —
less ton lots, same basis, ton.85.00 - —
bbls., c.l., works ton.55.25 - —
ton lots ex whse N. Y. or Chi ton.100.00 - —
less ton lots same basis, ton 105.00 - —
bulk c.l. works ton.31.25 - —
powder, bgs., c.l., works ton.40.25 - —
ton lots ex whse N. Y. or Chi ton 85.00 - —
less ton lots same basis, ton 90.00 - —
bbls., c.l. works ton.60.25 - —
ton lots, ex whse N. Y. or Chi ton 105.00 - —
less ton lots same basis, ton 110.00 —
bulk c.l. works ton 36.25 —
Borax packed in kgs is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech
Bordeaux mixture, bgs. c.l. works, frt. alld. or nearest whse. point lb. .15 .21
l.c.l., same basis lb. .16 .23
Borneol, cns lb 2.25 2.50
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate)
Brazilwood extract (see Hypernic)
Brimstone (see Sulphur)
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .23 - —
1,000 lbs., same basis lb. .25 - —
single pkgs., same basis lb. .30 - —
dms., lead-lined, dlvd lb. .23 - —
Bromoform, pharmaceutical grade, bots lb. 1.62 - 2.60
cbys. lb. 1.52 - —
Bromstyrol, bots lb. 5.35 - 5.75
Bronze, powder, aluminum (see A)
Gold, litho., cns., dms., works. lb. .50 - .60
moulding, cns. dms. works. lb. .80 - 1.00
printing ink, cns., dms., works lb 95 1.10
radiator, cans, dms, works lb 60 65
Broomtop, bls. lb. .30 - .35
Brown iron oxide, synth. bgs., l.c.l., works lb. .12¼ - —
Oxide, metallic, bgs., works lb. .3015- .3040
Sap, crystals, works lb. .12 - —
powdered lb. .13 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼ - .15¼
l.c.l., works lb. .04½ - .15½
raw, paper bgs., c.l., works lb. .04½ - .13
l.c.l., works lb. .04¾ - .13¼
Umber, burnt, American, c.l., bbls., works lb. .05¼ - .06½
l.c.l., bgs., works lb. .05½ - .07½
Turkey (type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y. lb. .06¼ - 08¼
l.c.l., works lb. .06½ - .08½
raw, American bgs., same basis, lb. 04¼ - .06½
Turkey type bgs., same basis, lb. .06½ - .06¾
Vandyke, bbls works lb 11 - —
Brucine, cns., 100 ozs oz. .35 - —
Sulphate, NF cns. 100 ozs oz. .30 - —
Bryonia root, ats lb 29 35
Buchu leaves, bls lb. .42 - .50
Buckthorn bark, bls lb. .12 - .14
cut and sifted, bls lb. 18 - .20
Berries, bgs lb 80 .90
Burdock, root, bls lb. .22 - .26
Butadiene, cyls., refinery lb. .21 - —
tanks, same basis lb. .11½ - —
Butane, indust., tanks, group 3 gal. .03½ - —
Butternut bark, bls lb. .25 - .30
Butyl acetate, fermentation, normal, dms., c.l., same basis lb. .18¾ - .29¾
l.c.l., same basis lb. .19¾ - .30¾
tanks, same basis lb. .17 - .28
synthetic, normal, dms., c.l., same basis lb. .16¼ - —
l.c.l., same basis lb. .17¼ - —
tanks, same basis lb. .14½ - —
secondary dms., c.l., same basis lb. .12¾ - —
l.c.l., same basis lb. .13½ - —
tanks, same basis lb. .11½ - —
Alcohol (see Alcohol, butyl)
Aldehyde, dms., c.l., works lb. .19¾ - —
l.c.l., works lb. .20¾ - —
tanks, works lb. .18 - —
Chloride, dms., c.l., works lb. .41½ - —
l.c.l., works lb. .42 - —
Ether (see Ether, butyl).
Lactate, dms., c.l. frt. alld. E. of Rockies lb 42½ - —
l.c.l. same basis lb 43½ - —
tanks, same basis lb. 41 —
Laurate, dms. works lb. 42 —
Methacrylate, normal, dms., less than truckload, works lb. .60 - —
Oleate, refd. dms. l.c.l. works lb .52 —
Phenylacetate, dms. lb 2.00 2.25
Phthalate (see Dibutyl phthalate)
Stearate, dms. c.l. frt. alld. E. of Rockies lb. .32½ - —
l.c.l., same basis lb. .33½ - —
Butylamine, dms., c.l., frt. alld. lb. .51½ - —
l.c.l., same basis lb. .52½ - —
tanks, same basis lb. .49¾ - —
Butyric ether (see Ethyl butyrate)



PARA AMINOSALICYLIC ACID

Calco

Para Aminosalicylic Acid (4-aminosalicylic acid; 2-hydroxy, 4-aminobenzoic acid) inhibits the growth of the tubercle bacillus at low concentrations in vitro. The results of preliminary studies of its therapeutic effectiveness have been promising. The drug is now undergoing extensive clinical investigation. Indications are that Para Aminosalicylic Acid will prove a valuable agent in the treatment of human tuberculosis, either alone or in conjunction with other drugs such as streptomycin.

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(powder, crystal, micro crystal)
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(powder, micro crystal and Calcomites)
Sodium Sulfabenzamide
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Choline Dihydrogen Citrate
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Cinchophen N.F.
(and sodium salt)
Folic Acid
Neocinchophen U.S.P.
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(powder and crystal)
Nicotinic Acid U.S.P.
Nicotinamide U.S.P.
Nicotinamide HCl
Para Aminosalicylic Acid
(and sodium salt)
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(regular and drench grades for veterinary use)
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*In keeping with long-established policy, the above products are offered to ethical Pharmaceutical and Veterinary Manufacturers only.

PHARMACEUTICAL DEPARTMENT • CALCO CHEMICAL DIVISION

AMERICAN Cyanamid COMPANY

BOUND BROOK, N. J.

Cacao Butter—Cellulose Acetate

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars lb 5.00 - 5.22
Metal, ingots or sticks, cs., dlvd lb. 2.40 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N.Y., frt. equald lb 1.25 - —
Caffeine, natural, USP cryst., dms. 100 lbs or more lb. 4.75 - —
anhydrous, dms. 100 lbs or more lb 5.00 - —
Synthetic, USP cryst., dms., 100 lbs or more lb 3.80 - —
anhydrous, dms. 100 lbs or more lb 4.00 - —
Citrated USP dms. 100 lbs or more lb 2.60 - —
Hydrobromide bots lb 6.70 Nom.
Calabar beans, bgs. futures lb 65 66
Calamine, USP, dms lb. .27 - .29
Calamus root, dom., bgs lb. .28 - .30
imported, bleached bls lb 70 Nom.
peeled, bls lb .30 .31
Calciferol, cryst., vials, 250 grams or more, works gram 1.90 - —
25 to 249 grams, works gram 2.10 - —
1 to 24 grams, works gram 2.30 - —
In edible oil, dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit .04¾- —
1,000 to 10,000 standard units, works unit .05¼ - —
less than 1,000 standard units, works unit .05¾- —
Calcium acetate, bgs., dlvd 100 lbs 3.00 4.00
Arsenate, dealers dms. c.l. whse. works, frt. alld. on 96 lbs or over lb. .11 - —
l.c.l., same basis lb. .12 - .13
Bromide, NF, jars lb. .80 1.00
Carbide, standard generator size, dms. c.l. dlvd. ton 121.00 —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80% paper bgs. c.l. works, frt. equald ton.25.00 - —
l.c.l., same basis ton.82.00 -82.00
liquor, same basis 40%, tank-cars ton.10.50 - —
pellets, bgs., c.l., works ton.31.25 - —
solid, 73-75% dms., c.l., frt. equald ton.23.50 - —
l.c.l., works, same basis ton.32.00 -69.00
USP, gran., bbls lb. .30 —
Chromate, bgs., frt. equald lb 29½ .30
Cyanide, dms. dlvd. E. of Rockies lb. .30 - .50
Gluconate, AA, bbls., dms lb. 65 - 72
USP, bbls., dms lb. 58 65
Glycerophosphate, NF 6lb. dms. lb. 1.85 - 2.00
Hydride, dms., works lb 90 —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm.25.25 -29.85
cns., cased (45 lbs.) same basis. cs.21.00 -23.00
Hypophosphite, ton lots or less, dms lb .80 .83
Iodide, jars lb 4.10 4.12
Lactate, USP, dms., 10,000 lbs. or more, works lb. .37 - —
smaller quantities works lb .38 .44
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald lb. .25¼- —
Nitrate, tech., bbls., works lb. .10 - .12
Pantothenate, dextro, tars, 100 grams or more, frt. adjusted gram .07½- —
Phenolsulphonate, dms lb. .64 .65
Phosphate, dibasic, USP bgs., c.l. 100 lbs. 7.00 - —
l.c.l. 100 lbs. 7.25 - 7.50
feed grade, bgs. 15 tons, wks ton.105.00 - —
one ton or over, works ton 115.00 - —
less than one ton, works ton 125.00 —
monobasic, bgs. 10,000 lbs., works, frt. equald lb. .0605- —
smaller lots, same basis lb. .0655- —
tribasic, bgs., c.l., works.100 lbs. 6.75 - —
l.c.l., works lb. 7.20 - 7.50
Phytate, ngs. works lb 28 —
Resinate, precip. dms. frt. alld. works lb. .25¼- —
Silicate, hydrated, bgs. c.l. works lb. .06 - —
l.c.l., works lb. .06½- —
Stearate, precip. ctns. c.l. works lb. .37 - —
l.c.l., works lb. .38 - .39
Sulphate (see Gypsum).
Calendula flowers, bls lb. .55 - .80
Calomel, USP, fine powd. dms lb 1.97 1.98
reg. powd., dms lb 1.82 —
Camphene, chlorinated, 67-69% (see Toxaphene)
Camphene, c.l., works, dms. incl. 100 lbs.13.10 -14.10
l.c.l., same basis 100 lbs.13.40 -15.75
tanks, same basis 100 lbs.11.00 -12.00
Camphor, synthetic, refined, NF, dms. kegs lb 2.75 2.85
natural, powd. 100-lb lots lb .45 .55
tablets, 1-oz., ½ oz., cs lb 85 .93
synthetic, tech., bbls., 2,000 lbs. or more, whse lb. .43 - —
10 bbls. (1,500 lbs.) lb. .45 - —
smaller lots lb. .46 - .56
USP, gran., powd., bbls., 2,000-lb. lots lb. .50 - —
1,000-lb. lots lb. .51 - —
smaller lots lb. .52 - —
tablets, tins, 2,000-lb. lots lb. .78 - —
1,000-lb. lots lb. .79 - —
smaller lots lb. .80 - —
Canada balsam (see Fir balsam)
Canella alba bark, bls lb 25 .30
Cantharides, Chinese, cs lb 75 .85
powd., bxs. lb .90 1.05
Russian, bgs. lb 3.85 3.90
powd., bxs lb 4.00 4.10
Capsicum (see Pepper, red)
Oleoresin, NF, from domestic pepper lb. 4.00 6.50
from African pepper lb 5.75 6.75
Caramel, coloring, NF, bbls gal 1.05 1.20
Caraway seed, Dutch lb. .16 - .16½
Carbazole, 97% steel dms., ton lots, works lb 1.55 —
bbls., same basis lb 1.65 1.85
Carbinol, butyl, secondary, dms., l.c.l., works lb 70 —
Methylisobutyl, dms., c.l., frt. alld. E lb. .14¼- —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .12½- —
Carbon bisulphide, 50-gal. dms., c.c. works, frt. alld. to competitive points lb 06¼ —
l.c.l., same basis lb 07¼ —
5-gal. dms., c.l., same basis lb 08½- .08¾
l.c.l., same basis lb 09½- —
tankcars, same basis lb 0440- —
Dioxide, cyls lb. .06 - .08

Carbon tetrachloride, c.p., dms., works lb. .10 - .11
NF, cbys lb. .17 - .19
tech., dms., c.l., E. of Rockies, frt. alld. lb. .08 - —
W. of Rockies, f.o.b. stock points lb. .09 - —
l.c.l., E. of Rockies, frt. alld. lb. .09½- —
W. of Rockies, frt. alld. lb. .102 - —
tanks, E. of Rockies, frt. alld. lb. .07¼- .08¼
W. of Rockies, frt. alld. lb. .08¼- —
Carboxymethylcellulose-Sodium—See CMC
Carbromal, NF, dms. 100-lb. lots, works lb 4.00 4.25
smaller lots, works lb 4.10 4.75
Cardamom, fruit, bleached, bold, fancy, cs lb. 3.80 - 3.85
bold, cs lb. 3.65 - 3.70
medium, cs lb. 3.30 - 3.35
decorticated, Alleppey, cs lb. 4.00 Nom.
Ceylon, cs lb. 3.40 Nom.
Guatemala, cs lb. 3.95 - 4.00
Indian, cs lb. 3.65 - 3.70
Mangalore, cs lb. 3.65 - 3.70
green, Alleppey, bgs lb. 3.00 - 3.05
Ceylon, bgs lb. 3.25 - 3.30
seed (See Cardamom fruit, decorticated)
Carmine No 40 NF, quik, 100 lbs or more, dlvd lb. 5.50 —
smaller lots, dlvd lb. 5.65 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
gram quantities gm 5.00 - —

Carotene, crystals, technical, 1,350,000 A units per gram gm. .67½- —
tins, works gm. .40 - —
dry powder, 3,330 A units per gram lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. cn. cn. 1.00 - —
in vegetable oil, 166,666 A units, per gram lb.25.24 - —
50,000 A units per gram lb. 7.86 - —
8,800 A units, per gram, tins, works milli. units. .18 - —
dms., works milli. units. .16 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .24 - —
Carvol, bots. lb. 8.75 9.00
Cascara sagrada bark, bulk lb. .30 - .33
Case-hardening mixture, 30% gran. dms., l.c.l., works lb. .10½- —
Casein, dom., acid-precip, standard, bgs., 10,000 lbs. or more, ship't point lb. .38 - .39½
premium, bgs., 10,000 lbs. or more, ship't point lb. .39½- .41½
imp. acid-precip., ground 100 bgs. or more, ex-dock lb. .33¾- .34
rennet-precip., bgs., 10,000 lbs. or more, ex-dock lb. .35 - .36
Cashew nut, shell liq., treated, dms., c.l., f.o.b. Newark, N.J lb. .21 - —
ton lots same basis lb. .22¼- —
dm. l's. same basis lb 24¼- —
Cassia, rolls, Batavia, longstick, bls lb. .24 - .24½
broken lb. .20 - .20½
shortstick, bls lb. .19 - .19½
China, Canton, Kwangsi, select, cs lb. .14 - .14½
broken, bls lb. .14 - .14½

Cassia rolls, China, Honan, Yunnan, scraped, bls lb. .16½- .17
broken, bls lb. .16¼- .16½
unscraped, bls lb. .16 - .16¼
broken, bls lb. .15½- .16
Saigon, broken, bls lb. .34 - .35
medium, bls lb. .41 - .42
thin, bls lb. .50 Nom.
Cassia fistula, bskts lb. .30 - .35
Castor beans, bgs., f.o.b. Brazilian ports long ton.170.00 -172.00
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton.37.50 - —
Castoreum, natural, cns lb. 7.00 -30.00
artificial, cns lb. 9.00 - 9.25
Catechol, CP, cryst, 6lb. dms., works lb. 2.00 - —
resublimed, dms., works lb. 4.00 - —
Catnip leaves, bls lb. .70 - .75
Celery seed, French, bgs, afloat lb. .38 - .38½
Indian, bgs lb. .27½- .28
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .36 - .38
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .40 - —
l.c.l., same basis lb. .45 - .51
regular, black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis lb. .49 .54
extrusion compounds, transucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l. same basis lb. .44 - .49

MORE OUTLET

RECORSA

MORE DEALERS STOCK AEROSOLS

Recent Du Pont surveys show that aerosol stocked by 90.5 per cent of all drug stores intervi 86.2 per cent of the department stores and 85 cent of the hardware stores.* This increased dis tion, combined with the fact that many new a products are being placed on the market, ind that sales of aerosols this year will be well abo 21 million packages sold in 1949.

Aerosol paint dispensers simplify painting radiators, chair rungs, etc. Homeowners approve them.

NEW PRODUCTS WELL RECEIVED

Customers are quick to see the advantages o aerosol-packaged products. Paints, waxes, in cides, plastic coatings, shave creams and other items are just a few of the dozens of new aerosol tomers will buy this year. And since Du Pont su show that 78.6 per cent of customers interv liked the last aerosol they bought well enough t another one when needed, repeat sales are cert be high.

Car-waxing aerosols are easy to use . . . make any tough job easy. Car owners are enthusiastic.

MODERN WAY TO PACKAGE

Aerosol packaging is truly the newest way to p a wide variety of products. It promises the cus extra ease of application or use, as well as a qu cleaner job. And the very "newness" of an ae packaged product assures its extra sales appe wonder dealers, quick to recognize this fact aerosols such prominent display!

Shave-cream aerosols recently introduced are certain to gain favor with consumers.

DU PONT
REG. U.S. PAT. OFF.
BETTER THINGS FOR BETTER LIVING
. . . THROUGH CHEMISTRY

"FREON" SAFE

Cellulose acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .54 - —
less than 500 lbs., works. lb. .55 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .50 - —
less than 500 lbs., works. lb. .51 - —
26.5% butyryl content, ctns., 500 lbs. and over, works. lb. .52 - —
less than 500 lbs., works lb. .53 - —
37% butyryl content, ctns., 500 lbs and over, works lb. .52 - .55
less than 500 lbs., works lb. .53 - .56
48% butyryl content, ctns., 500 lbs. and over, works lb. .57 - —
less than 500 lbs., works lb. .58 - —
molding composition plain colors, pearls, transparents, special black dms. l.c.l. frt alld. lb. .56 - .61
regular black dms. l.c.l., same basis lb. .44 - .48
variegations, dms., c.l., same basis lb. .61 - .66
Triacetate, flake ctns., works, frt allwd on 100 lbs or more lb. .60 - —
Cerium nydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb .70 - .72
Oxide optical grade, bgs. under 100 lbs., works lb 2.25 - —
kgs., 100-lb lots, works lb 1.85 - —
Chalk, precip., cosmetic, dentifrice, drugs bgs., c.l. works lb .02¾ .05½
l.c.l., ex whse lb .04 - —
paint, bgs., c.l. works ton 40.00 - —
papermakers bgs. c.l., works ton 32.50 - 40.00
rubber makers bgs. c.l., works ton 20.00 - —

Chamomile flowers, Hungarian, cs lb. .85 - 1.00
Roman, bls. lb. .80 - .85
Charcoal, activated, USP, fib. dms., c.l., works lb .25 - .32
5-ton lots, works lb .26½ - .32½
smaller lots, works lb .27 - .50
Bone, NF, bbls lb .23 - —
Hardwood, briquets, bgs., c.l., works ton 51.80 - —
bulk, c.l., works ton 49.80 - —
granular, bgs., incl. c.l., works ton 46.80 - 59.00
lump, bgs., extra, returnable, c.l., works ton 41.80 - 45.50
bulk, c.l., works ton 38.80 - 43.50
Pinewood, gran. powd., ogs. c.l. works, South ton 40.00 - —
l.c.l., works ton 40.00 - 50.00
lump bgs. c.l., works, South ton 40.00 - —
l.c.l., works, South ton 40.00 - 50.00
bulk, c.l., works South ton 30.00 - —
Chestnut extract, 25% tannin, bbls., c.l., works lb .0415- —
l.c.l., works lb .0440- .0450
tanks, works lb .0345- —
powd., 60% tannin, bgs., extra, c.l., works lb .09 - —
l.c.l., works lb .0970- .1055
China clay, dom., dry-grd., air-float, 99 75% 300 mesh, bgs., c.l. works ton 12 50 - 13.00
l.c.l., works ton 13.50 - 14.00
bulk, c.l., works ton 9.50 - 10.00
200 mesh bgs., c.l., works ton 10 00 - 12.00
l.c.l. works ton 11.00 - 16.00
wet-grd., silk-bolt, 99½%, 325 mesh bulk, c.l., works ton 13.00 - —
paper bgs. c.l. works ton 16.00 - —

China clay, imported, white, lump, bulk, c.l., ex dock Phila., Portland, Me., gross ton 19.00 - 40.00
powd. ogs. c.l., ex dock, net ton 35.00 - 45.00
l.c.l. ex whse net ton 45.00 - 60.00
Chloral, tech., 94% min. dms., c.l., works lb .23 - —
l.c.l., works lb .24 - —
tanks, works lb .21 - —
Hydrate, USP, jars lb 1.05 - 1.10
Chloramine T, NF bbls. works lb .75 1.00
Chloroanisidin, dms., frt. equald lb. 1.25 - —
Chlordane, agricultural, dms., pails, c.l., works lb. .65 - —
l.c.l. works lb. .70 - .75
refined, dms., c.l., works lb. .75 - —
l.c.l. works lb. .80 - .85
Chlorinated paraffin, dms. frt. alld. lb. .12½- .13¼
Rubber, standard ctns., c.l. works lb. .42 - —
l.c.l. works lb .43 - —
Chlorine, liquid, cyls., c.l., N.Y. lb. .08¾- —
l.c.l., N.Y., stock points lb. .10¼- —
tanks, single units, works, frt. equald 100 lbs. 2.70 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 3.20 - —
2 cars, same basis 100 lbs. 3.80 - —
1 car, same basis 100 lbs. 4.40 - —
Chloroform, tech. dms., c.l., dlvd. E lb. .18 - .20
l.c.l., same basis lb. .20 - .22
tanks, same basis lb. .16 - —
USP, dms. lb. .30 - .35
Chloronaphthol-2 toluidine bbls lb 1.38 - —
Chlorophyll, 4% oil soluble, water soluble, cosmetic and pharmaceutical, pails, tins lb. 3.75 - 4.25

Chloropicrin, com'l, bots lb. 1.50 - —
cyls., 100 lbs., frt. alld lb. .95 - —
100 lbs., same basis lb. .97 - —
25 lbs., same basis lb. 1.22 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 8.50 - —
5-lb pkg lb 9 00 - —
1-lb pkg lb 9.50 - —
Choline bitartrate, fib dms., frt. adjusted lb 2.30 2.55
Chloride, fib dms., same basis lb 2.30 2.55
Dihydrogen citrate, fib dms., same basis lb 2.30 2.55
Chromium acetate powd, 72% Cr., bbls. works lb No stocks
solut., 7½% bbls., works lb .08 —
cbys lb. 08¾ —
8½% bbls. works lb. 08½ —
cbys lb. 10¼ —
Fluoride, bbls., works lb. 44½- —
Green (see Green, chromium oxide)
Oxide (see Green, chromium oxide)
Oleate, solid, bbls lb 49 - —
Trioxide, USP, bots lb .82 - —
Yellow (see Yellow, chrome)
Chrysarobin, USP, bots lb 7.65 9.20
Cinchona bark, NF, red, quill, 20-inch, cs lb. 1.26 Nom.
broken, bgs lb. 40 .45
yellow, broken, bgs lb. .32 .35
Cinchonidine, cryst., cns., 100 ozs. oz. .71 .72
Sulphate, cns., 100 ozs oz. .37 - .40¼
Cinchonine, cryst., cns., 100 ozs. oz. .57 .65
Sulphate, NF, cns., 100 ozs oz. .30½ .42
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 4.05
Standard density, dms., same basis lb. 3.50 3.85
Cinchophen-sodium, dms., frt. adjusted lb 4.50 4.85
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, cbys, cns, dms lb 90 1.20
Cinnamon, Ceylon, No. 2, bls. lb. .34 - .35
Citral, bots, cns lb. 5.50 - 6.50
Citronellal, bots., dms lb. 4.35 - 7.75
Citronellol, bots., dms lb. 3.40 - 3.50
Civet, bots oz 4.00 13.00
artificial, bots lb 13 75 15 00
Clove, Madagascar, bls lb. .26 - .26¼
Zanzibar, bls lb. .26½ - .27
Clover tops, red, dom., bgs lb. .80 - .90
imported, ogs lb No stocks
CMC, purified, high vis., ctns., 20,000 lbs or over, works, frt. alld lb. .57 - —
smaller lots, same basis lb. .59 .69
low and medium vis., ctns., 20,000 lbs or over, works, frt alld lb. .54 - —
smaller lots same basis lb. .56 .66
tech., low and medium vis., dms., c.l., works, frt. alld lb. .41 - —
l.c.l. works lb. .43 - —
Coaltar, coal gas, water-gas, crude, resale dms. c.l. ex-whse gal. .24 - —
l.c.l., ex-whse gal. .26 - —
tanks, ex-whse gal. .14½- —
refd., resale bbls c.l. ex-whse gal. .25 - —
l.c.l., ex-whse gal. .27 - —
tanks, ex-whse gal. .15 - —
Cobalt acetate, bbls. dlvd lb .93½ —
Carbonate, 46% powd., bgs., works lb. 1.65 - —
Chloride, 24.5% Co, kgs., works lb. .91¼- —
Hydrate, 60.3% Co, bbls lb 2.13 —
Linoleate, liquid, 6% Co, dms lb. .48¾- —
fused, 8½%, Co, dms lb. .58 - —
Metal, 97 99% kgs ex whs. lb 1.80 —
under 100 lbs ex whse lb 1 82 1 87
Naphthenate, liq., 6% Co, dms lb. .38¾- —
Nitrate, 20.4% Co, bbls lb. .78¾- —
Oxide, black, kgs lb 1.38 —
Phosphate, feed grade, 34% Co, kgs lb. 1.31¼ —
Resinate, fused, 3% Co, dms lb. .23¼- —
Sulphate, bgs. 21% Co, kgs lb 1.05 —
Cocaine, USP cns., 100-oz oz 15.00 —
Hydrochloride, cns. 100-oz lots oz 11 75 —
Cochineal, gray, ngs lb 67 68
silver Tenerriffe, bgs lb 69 70
Cocillana bark, ngs lb 16 17
Cocoa butter, bgs lb. .74 - .75
Codeine, NF, cns, 100 ozs oz 13.25 —
Hydrochloride, cns., 100 ozs oz 11.85 —
Phosphate, USP, cns., 100 ozs oz 10.25 —
Sulphate, USP, cns, 100 ozs oz 10 75 —
Codliver oil (see Oil, codliver)
Cohosh, black root, bls lb .20 .25
Blue, root, bls lb. .17 - .18
Colchicine, USP, bots, cns oz 79 00 85 00
Colchicum root, bls lb 60 70
Seed, bgs lb 1.10 1.20
Collodion, USP, dms lb. .26 - —
Flexible, USP, dms lb. .27½- —
Colocynth, pulp, bls lb. .22 - .25
Colombo, root, bls lb. 13 15
Coltstoot, leaves, bgs lb .30 35
Condurango bark, bgs lb. .18 - .28
Copaiba balsam, cns., dms lb. .75 - .85
Copper acetate, cupric, bbls, works lb 24 —
smaller containers, works lb 29 .30
Carbonate, 55%, bgs., works lb. .22 - .23¼
Chloride, anhyd, bbls., works lb .30½ —
crystals, bbls., works lb 20¼ —
Citrate, USP, 5-lb bots lb 2 40 —
Cyanide, tech., bbls lb. .523 - .543
Gluconate, cns., dms lb. 3.00 - 3.24
Hydrate, dms., frt. alld, E. Miss. lb. .27½- .28
Metal, electrolytic, dlvd lb. .24½- —
Naphthenate, liquid 8% Cu, dms, frt. alld lb. .24¾- —
Nitrate, tech, cryst, bbls, works lb. .25¼ —
Oleate, liquid, 8 5% Cu, bbls lb 27 —
solid, 10% Cu, bbls lb 39 —
Oxide, black, bbls., works lb. .33 - .36
red, com'l, bbls., works lb. .35 - .37
Oxychloride sulphate, bgs., frt alld lb. 24¼ Nom.
Quinolate, fib, dms lb 3.50 —
Resinate, precip, dms., frt. alld lb. .25¼- —
Stearate, bgs., works lb. .44½- —
Sulphate, cryst., 99%, bgs., c.l., works, 100 lbs. 8.65 - —
l.c.l., 100 lbs. 8.90 - 9.65
CP, cryst., gran., bbls., works, lb. .1440- —
monohydrated, 35%, dms., c.l., works 100 lbs. 14.40 - —
tribasic, dealers, bgs., c.l., works, frt. alld lb. .2370- —
l.c.l., works lb. .2520- —
USP, gran., cryst., dms lb. .1440- .26
Undecylenate, dms lb. 2.50 2.75
Copperas, cryst, gran, bgs., c.l., works ton 17 00 —
l.c.l., works 100 lbs 1 55 2.00
bbls, c.l. works ton 20 00 —
bulk, c.l. works ton 14 00 —
Copra, c.i.f. Atlantic, Gulf ports ton 215.00 - —
Pacific ports ton 210.00 - —
Coriander seed, Argentine, bgs lb. .18 - .18¼
Italian, bgs lb. No stocks.
Moroccan, bgs. lb. .24 - .25

LET . . NEW PRODUCTS PROMISE

CORSALES FOR AEROSOLS!

AFETY AN IMPORTANT FACTOR

rveys show that consumers agree wholeheartedly wanting safety, effectiveness, convenience, cleanness and freedom from odor when they buy an rosol product. That's why one of the most important considerations in aerosol-packaging is the safety the propellent used. Manufacturers know that just e unpleasant experience with an aerosol can lose a stomer for good. So they naturally want to use only fe, dependable propellents.

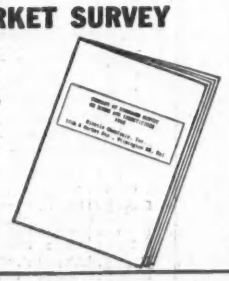
FREON" PROPELLENTS WIDELY USED

high- or low-pressure aerosol packages, "Freon" opellents are being used more and more to assure fe, uniform dispersion. "Freon" propellents are ntoxic, nonflammable, nonexplosive . . . harmless foods, furs, flesh, fabrics and finishes. "Freon"—d only "Freon"—can offer all of these safety characteristics *plus* a range of pressures from 1 to 70 lbs./. in. gauge. And "Freon" alone can provide the ecial solubility characteristics needed for certain gredients.

ET YOUR DIGEST OF MARKET SURVEY

u can get your own free digest copy of Pont's important survey of the aerosol rket—the only report of its kind available ogether with complete data on "Freon" opellents simply by writing to E. I. du Pont Nemours & Co. (Inc.), "Kinetic" Chemals Division, Wilmington 98, Delaware. sure to write for your copy today!

m the latest data gathered by special representas of an established research organization that was aged to conduct national dealer and consumer eys of the aerosol market.



Plan to aerosol-package your product today!

Here's how to go about it:

1. Determine that there is a market for the contemplated product.
2. Develop a stable formulation, including propellent, which can be packaged in a suitable container.
3. Shelf-test the proposed finished-product package before production or sample merchandising is attempted.
4. Have a quantity packaged for test marketing. There are custom loaders who will fill quantities as low as 5,000.

"Kinetic" Technical Service will help you

As a service to users of "Freon" propellents, Du Pont is ready to assist any manufacturer in entering the aerosol market. This includes aid at every step from market exploration to planning shelf-testing and interpretation of the results.

If you are thinking of entering the aerosol market, be sure and find out how "Kinetic" can be of real help.

FE PROPELLENTS

KINETIC REG. U. S. PAT. OFF.

"FREON" is Du Pont's registered trade-mark for its fluorinated hydrocarbon propellents.

Corn Sugar—Dihydrostreptomycin Hydrochloride

Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 6.24 - —
bbls., c.l., same basis 100 lbs. 6.39 - —
Syrup, 42°, bbls., c.l. 100 lbs. 6.57 - —
l.c.l. 100 lbs. 6.72 - —
Cornsilk, bls lb. .15 - .19
Corrosive sublimate, NF, cryst., dms., 50 lbs or more lb 1.68 - —
gran., powd. dms., 50 lbs or more lb 1.53 - —
Cottonroot bark, bls lb .26 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton 1.75 - —
Meal, 41% protein, bulk, Memphis ton 68.00 - —
Coumarin, NF, cns lb. 3.00 - 3.25
powd., cans lb. 3.25 - 3.50
Cramp bark, NF, bls lb. 1.05 - 1.10
Cranesbill root, bls lb. .55 - .60
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .31 - —
smaller lots, bbls., kgs lb. .31½- .32¼
Creosote coaltar crude tanks, works, frt. adjusted gal. .20 - —
refined, dms., c.l., works gal. .35 - —
l.c.l., same basis gal. .41 - —
tanks, same basis gal. .27 - —
solution, 80%, tanks, works gal. .188 - —
NF, beechwood, bots., cbys lb. 1.25 - —
hardwood, bots., cbys lb. .95 - —
Pinewood, dms gal .31 .33
Carbonate, NF, bots., cbys lb. 2.70 - —
Cresols, tech. dry, above 207°C, non-ret. dms., c.l. frt. equald. lb. .138 - —
l.c.l., same basis lb. .141 - —
Cresols, tech., dry, above 207° C, ret. dms., c.l., same basis. lb. .1375- —
l.c.l., same basis lb. .1410- —
tanks, same basis lb. .125 - —
USP, non-ret. dms., c.l., same basis lb. .148 - —
l.c.l., same basis lb. .151 - —
ret. dms., c.l., same basis lb. .145 - —
l.c.l., same basis lb. .148 - —
tanks, same basis lb. .135 - —
Crotonaldehyde, 91-93%, dms., c.l. works lb. .16½- —
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs. 13.75 - —
bbls., l.c.l., works 100 lbs. 14.00 - —
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .26 - .30
Cubeb berries, XX NF bgs lb. .35 - .45
powd., cs lo. .44 - .54
Culvers root, bbls lb .50 - .60
Cumene, dms., c.l. lb .08 - —
l.c.l. lb .09 - —
tanks gal .53 - .56
Cumin seed, Iranian, bgs lb. .19 - .20
Morocco, bgs lb. .20 - .21
Syrian, bgs lb. .19 - .20
Cutch, extract, 58% tannin, bgs., ex dock lb. .06¾- —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, ton 46.50 - —
ton 46.50 - —
pulv., 21% N., bgs., same basis unit-ton 2.25 - —
Cyclohexane, tech., dms., c.l., works. lb. .11 - —
l.c.l., works lb. .11¾- —
tanks, works lb. .09¼- —
Cyclohexanol, tech., dms., c.l., works. lb. .31½- —
l.c.l., works lb. .33 - —
tanks, works lb. .30 - —
Cyclohexanone, tech., dms., c.l. lb. .28½- .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., c.l., works. lb. .37½- —
l.c.l., works lb. .38½- —
tanks, works lb. .36½- —
Cyclopropane, USP 1 lb. cyls, works, cyl. 40.00 —
6 oz. cyls., works cyl. 10.50 - —
Hospitals, cyls., 40 gal. lots gal. .32 - —
100-gal. lots gal. .31 - —
200-gal. lots gal. .30 - —

D

2, 4-D, bbls., c.l., works, frt. equald. lb. .43 - .48
l.c.l., same basis lb. .48 - .60
Isopropyl ester, dms., c.l., works lb. .54 - —
l.c.l., works lb. .59 - .66
Damiana leaves, bls lb 40 45
Dandelion root, bls lb. .55 - .60
DDD, tech., fine grd., bbl., dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½- —
lump, fib. dms., c.l., works lb. .49 - —
l.c.l., works lb. .49½- —
DDT, fiber dms., c.l., works, frt. equald lb. .34 - .36
smaller lots, same basis lb. .35 - .38
Decanol, normal, tech., dms., c.l., dlvd lb. .34½- —
l.c.l., dlvd lb .32 - —
tanks, dlvd lb .29 - —
Deertongue leaves, bls lb. .35 - .40
Defluorinated phosphate, 82% b.p.l., paper bgs., works ton 44.15 -55.75
Rock, 14½% P., paper bgs., works ton 45.00 - —
Degras, common, bbls lb .11 - .12
Neutral, less 2% ffa, bbls lb .21 - .22
over 2% ffa., bbls lb .20 - .21
Derris root, 5% rotenone powd lb .42 - —
Desoxyephedrine hydrochloride, dextro dms lb. 39.00 - —
dexh o-laevo, dms lb 7.50 - —
Dextrin, corn, gum, paper bgs., c.l. 100 lbs. 7.70 - —
l.c.l. 100 lbs. 7.85 - —
Chicago, c.l. 100 lbs. 7.05 - —
canary, paper bgs., c.l. 100 lbs. 7.54 - —
l.c.l. 100 lbs. 7.69 - —
Chicago, c.l. 100 lbs. 6.89 - —
dark, paper bgs., c.l. 100 lbs. 7.64 - —
l.c.l. 100 lbs. 7.79 - —
Chicago, c.l. 100 lbs. 6.99 - —
white, paper bgs., c.l. 100 lbs. 7.39 - —
l.c.l. 100 lbs. 7.54 - —
Chicago, c.l. 100 lbs. 6.74 - —
Corn dextrin in cotton bgs. 12c. to 15c. per 100 lbs. higher.
Potato, domestic bgs lb. .09½- .10
imported, bgs lb. .08½- .09
Dextrose USP dms lb .17¾- —
Diacetone (see Alcohol, diacetone)
Diacetyl, flavor grade, bots lb. 5.00 - 5.55
laboratory grade, bots 100 grams 4.50 —
tech. bots. works lb 3.00 —
Diamyl ether (see Ether, amyl)
Phthalate, dms., c.l., dlvd. E lb. No prices.
l.c.l., dlvd. E lb. No prices.
tanks, dlvd. E lb. No prices.
Dianisidin, dms lb. 1.75 —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 50.00 -52.00
California ton. 38.00 -40.00
l.c.l., ex whse ton. 80.00 - —
purified, bgs., c.l., Atl. coast ton. 62.00 - —
California ton. 50.00 - —
l.c.l., ex whse ton. 90.00 - —
imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works. lb. .75¾- —
l.c.l., works lb. .76¾- —
tanks, works lb. .74 - —
Dibutyl phthalate, dms., c.l., dlvd lb. .33½- .36¾
l.c.l., dlvd lb. .34½- .37¾
tanks, dlvd lb. .32 - .35
Sebacate, dms., c.l., works lb. .60¾- —
l.c.l., works lb. .61¾- —
tanks, works lb. .59 - —
Tartrate, dms., works, frt. alld. lb. .62 - —
Dibutylamine, dms., c.l., frt. alld lb. .51½- —
l.c.l., frt. alld lb. .52½- —
tanks, frt. alld lb. .49¾- —
Dicapryl phthalate, dms., c.l., dlvd. lb. .39¾- —
l.c.l., dlvd lb. .40¾- —
tanks, dlvd lb. .38 - —
Sebacate, dms., c.l., works lb. .63¼- —
l.c.l., works lb. .64¼- —
tanks, works lb. .61½- —
Dichloroaniln, dms., works lb. .75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .047 - —
l.c.l., works lb. .055 - —
tanks, works lb. .04 - —
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., frt. equald lb. .28 - —
Dicyclohexylamine, dms., c.l., works lb. .41¼- —
l.c.l., works lb. .42 - —
tanks, works lb. .40 - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .45 - —
l.c.l., same basis lb. .46 - —
Diethanolamine, dms., c.l., frt. alld., E lb. .28¼- —
l.c.l., same basis lb. .29¼- —
tanks, same basis lb. .26½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .36¾- —
l.c.l., same basis lb. .37¾- —
tanks, same basis lb. .35 - —
Maleate, dms., c.l., dlvd lb. .50 - —
l.c.l., dlvd lb. .51 - —
tanks, dlvd lb. .48½- —
Oxalate, dms., c.l., frt. alld lb. .34¾- —
l.c.l., same basis lb. .35¾- —
tanks, same basis lb. .33 - —
Phthalate, dms., c.l., dlvd lb. .29¾- —
l.c.l., dlvd lb. .30¾- —
tanks, dlvd lb. .28 - —
Sulphate, dms., c.l., works lb. .17¼- —
l.c.l., works lb. .17¾- —
tanks, works lb. .15½- —
Diethylamine, dms., c.l., frt. alld. E lb. .57 - —
l.c.l., same basis lb. .58 - —
tanks, same basis lb. .55¼- —
Diethylanilin, dms. lb. .48 - —
Diethyleneglycol, dms., c.l., frt. alld. E lb. .19¼- —
l.c.l., same basis lb. .20¼- —
tanks, same basis lb. .17½- —
Boriborate, dms., l.c.l. lb. .28 - —
Diethylether, dms., c.l., works lb. .46½- —
l.c.l., works lb. .47 - —
Monobutylether, dms., c.l., works. lb. .25¾- —
l.c.l., works lb. .26¾- —
tanks, works lb. .24 - —
Monobutylether acetate, dms., c.l., works lb. .27¼- —
l.c.l., works lb. .27¾- —
Monoethylether, dms., c.l., works. lb. .19¼- —
l.c.l., works lb. .19¾- —
tanks, works lb. .17½- —
Monoethylether, acetate, dms., c.l., works lb. .25¼- —
l.c.l., works lb. .25¾- —
Monomethylether, dms., c.l., works. lb. .23¼- —
l.c.l., works lb. .23¾- —
tanks, works lb. .21½- —
Diethylenetriamine, dms., c.l., works. lb. .42 - —
l.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Diethylethanolamine, dms., c.l., works, frt. alld lb. .61½- —
l.c.l., same basis lb. .62½- —
tanks, same basis lb. .59¾- —
Diethylstilbestrol, USP, bots kilo. 240.00 -300.00
Digitalin, cryst., bots gram. 12.50 -18.00
powd., bots oz. 25.00 -30.00
Digitalis leaves, dms lb. .85 - 1.25
Digitoxin, USP, bots gram. 7.50 - 8.00
Diglycol, laurate, dms lb. No prices.
Oleate, dms lb. .38 - —
Stearate, dms lb. No prices.
Dihexyl sebacate, dms., c.l., works. lb. .51¾- —
l.c.l., works lb. .52¾- —
tanks, works lb. .50 - —
Dihydrostreptomycin hydrochloride and sulphate, hospitals vials gram. .60 - —
wholesalers, vials gram. .43 - —

Jefferson

Diethylene Glycol

Excellent Quality For Many End Uses...

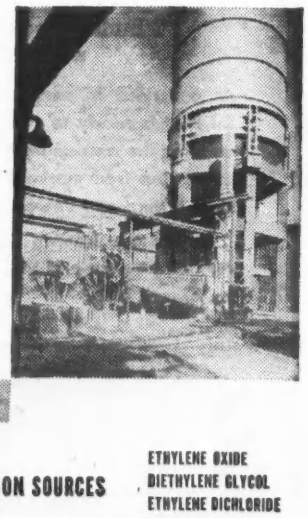
tobacco humectant
manufacture of resins
manufacture of plasticizers
printing inks
dehydrating agent for natural gas
textile softener
dyestuff solvent

Available East and West in Convenient Lots

from Port Neches, Texas, or Union, N. J.
in tank cars or 55 gallon drums.

Write Department A.

Quicklime silo and lime slakers in ethylene oxide and glycol unit at Jefferson's Neches plant.



Jefferson Chemical Company, Inc.

711 FIFTH AVE., NEW YORK 22, N.Y.

ESSENTIAL CHEMICALS FROM HYDROCARBON SOURCES

ETHYLENE OXIDE
DIETHYLENE GLYCOL
ETHYLENE DICHLORIDE
ETHYLENE GLYCOL

Dihydroxydichlorodiphenylmethane, dms	lb.	.95	1.00
smaller containers	lb.	1.05	1.40
Di-isobutyl ketone, dms., c.l., dlvd.	lb.	.15¼	—
l.c.l., dlvd	lb.	.16¼	—
tanks, dlvd	lb.	.13½	—
Di-isobutylene, dms., c.l., works	lb.	.09¼	—
l.c.l., works	lb.	.10	—
tanks, works	lb.	.07½	—
Di-isooctyl phthalate dms. c.l., dlvd.	lb.	.39¾	—
l.c.l., same basis	lb.	.40¾	—
tanks, same basis	lb.	.38	—
Di-isopropylamine, dms., c.l., frt. alld.	lb.	.49¾	—
l.c.l., same basis	lb.	.50¾	—
tanks, same basis	lb.	.48	—
Dillseed, dewhiskered, bgs	lb.	.14	.14½
Dimethyl chloroacetal, dms., c.l., works	lb.	.53	—
l.c.l., works	lb.	.55	—
tanks, works	lb.	.51	—
Phthalate, dms., c.l., dlvd	lb.	.25¾	—
l.c.l., dlvd	lb.	.26¾	—
tanks, dlvd	lb.	.24	—
Sebacate, dms., c.l., works	lb.	.78¾	—
l.c.l., works	lb.	.79¾	—
tanks, works	lb.	.77	—
Sulphate 55-gal. ret., dms., c.l., works	lb.	.15	—
l.c.l., works	lb.	.16	—
10-gal. ret. dms., works	lb.	.40¼	—
Dimethylamine, 25%-40% dms., c.l., works, basis 100%	lb.	.37	.38
l.c.l., works, basis 100%	lb.	.37½	.38½
tanks, works, basis 100%	lb.	.33	—
Dimethylanilin, dms., c.l., frt. alld.	lb.	.24	—
l.c.l., frt. alld	lb.	.25	—
tanks, frt. alld	lb.	.23	—
Dimethylethanolamine, dms., c.l., dlvd	lb.	1.43	—
l.c.l., dlvd	lb.	1.45	—
tanks, dlvd	lb.	1.40	—
Dinitroanilin, dms., frt. equald	lb.	.54	.57
Dinitrobenzene, crude, dms	lb.	.18	—
purified, dms	lb.	.19½	—
Dinitrochlorobenzene, dms., c.l., frt. alld. E	lb.	.16¼	—
l.c.l., frt. alld. E	lb.	.17¼	—
tanks, frt. alld. E	lb.	.15¼	—
Dinitrophenol, bbls	lb.	.31	—
Dinitrotoluene, oily, dms	lb.	.09½	—
refd., dms.	lb.	.19	—
Dinonylnapthalene, c.l., dms., work	lb.	.13	—
l.c.l., dms., works	lb.	.14	—
tanks works	lb.	.12	—
Dioctyl adipate, dms., c.l., works, frt. alld	lb.	.42	.43¼
l.c.l., same basis	lb.	.43	.44¼
tanks, same basis	lb.	.40½	.41½
Phthalate, dms., c.l., frt. alld	lb.	.39½	.39¾
l.c.l., frt. alld	lb.	.40½	.40¾
tanks, frt. alld	lb.	.38	—
Diorthotolyiguanidin, dms., ton lots, dlvd	lb.	.52	—
smaller lots, dlvd	lb.	.53	—
Dioxan, dms., c.l., frt. alld	lb.	.25	—
l.c.l., same basis	lb.	.25½	—
tanks, same basis	lb.	.23½	—
Dip oil (see Tar acid oil).			
Dipentaerythritol, bgs., l.c.l., works	lb.	.35	—
Dipentene, dest.-dist., dms., extra, c.l., N. Y. whse	gal.	.52	—
steam-dist., dms., c.l., works, south	gal.	.35	—
l.c.l., works, South	gal.	.46	—
dlvd. N. Y.	gal.	.52	—
Diphenyl, bbls., c.l., works	lb.	.15	—
l.c.l., works	lb.	.16	.20
Oxide, perfume grade, cns., dms.	lb.	.43	.62
Phthalate, dms., c.l., works	lb.	.45	—
l.c.l., same basis	lb.	.47	—
Diphenylamine, refined, gran., bbls., c.l.	lb.	.26	—
l.c.l., works	lb.	.28	—
tankcars, works	lb.	.23	—
tech., tankcars, works	lb.	.22	—
Diphenylguanidin, dms., ton lots	lb.	.43	—
smaller lots	lb.	.44	—
Diphenylhydantoin-sodium, USP, dms.	lb.	3.25	3.50
Dipropyleneglycol, dms., c.l., frt. alld	lb.	.15¼	.15¾
l.c.l., same basis	lb.	.16¼	.16¾
tanks, same basis	lb.	.13½	.14
Methylether, dms., c.l., frt. equald.	lb.	.19¾	—
l.c.l., same basis	lb.	.20¾	—
tanks, same basis	lb.	.18¼	—
Ditertiarybutylmetacresol, dms., c.l., works	lb.	.32	—
l.c.l., works	lb.	.33	—
tanks, works	lb.	.31	—
Ditertiarybutylparacresol, dms., c.l., works	lb.	.91	—
l.c.l., works	lb.	.93	—
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock	ton	68.00	—
Divinylbenzene, 18%, dms., c.l., works	lb.	.25	—
l.c.l., works	lb.	.26	—
tanks, works	lb.	.24	—
40%, dms., c.l., works	lb.	.55	—
l.c.l., works	lb.	.60	.65
Dodecyltoluene, dms., c.l., works	lb.	.14	—
l.c.l., works	lb.	.15	—
tanks, works	lb.	.13	—
Doggrass root, dom., cut, bls	lb.	.20	.24
imp., NF, cut, bls	lb.	.25	.30
Dogwood bark, Jamaica	lb.	.09	.12
Dragon's blood, drops, cs	lb.	.45	.47
mass, cs.	lb.	.90	1.00
reeds, cs	lb.	1.75	2.00
Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—			
Blue, FD&C, No. 1, cns	lb.	17.00	-17.60
No. 2, cns.	lb.	17.00	-17.60
Green, FD&C, No. 1, cns	lb.	17.00	-17.60
No. 2, cns.	lb.	22.20	-22.85
No. 3, cns.	lb.	35.25	-35.90
Orange, FD&C, No. 1, cns	lb.	3.65	- 3.75
No. 2, cns.	lb.	4.65	- 4.75
Red, FD&C, No. 1, cns.	lb.	7.55	- 7.85
No. 2, cns.	lb.	4.00	- 4.10
No. 3, cns.	lb.	22.20	-22.85
No. 4, cns.	lb.	7.20	- 7.50
No. 32, cns.	lb.	5.30	- 5.40
Violet, FD&C, No. 1, cns	lb.	17.00	-17.60
Yellow, FD&C, No. 1, cns.	lb.	10.50	-11.05
No. 3, cns.	lb	3.30	- 3.40
No. 4, cns.	lb.	3.30	- 3.40
No. 5, cns.	lb.	4.00	- 4.10
No. 6, cns.	lb.	4.00	- 4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—			
Black, D&C, No. 1, cns.	lb.	10.95	—
Blue, D&C, No. 4, cns.	lb	13.55	—
Brown, D&C, No. 1, cns.	lb.	16.10	—
Green, D&C, No. 5, cns.	lb.	16.10	—
No. 6, cns.	lb.	16.10	—
No. 7, cns.	lb.	14.80	—
Orange, D&C, No. 3, cns.	lb.	10.95	—
No. 4, cns.	lb.	20.05	—
No. 5, cns.	lb	5.70	—
No. 10, cns.	lb.	20.70	—
Red, D&C, No. 8, cns.	lb.	3.75	—
No. 9, cns.	lb.	3.75	—
No. 10, cns.	lb.	3.00	—
No. 11, cns.	lb.	2.25	—
No. 12, cns.	lb.	3.00	—
No. 17, cns.	lb.	10.95	—
No. 18, cns.	lb.	24.00	—
No. 19, cns.	lb.	20.05	—
No. 21, cns.	lb.	4.70	—
No. 22, cns.	lb.	10.95	—
No. 28, cns.	lb.	24.65	—
No. 33, cns	lb.	17.45	—
Violet, D&C, No. 2, cns.	lb.	16.10	—
Yellow, D&C, No. 7, cns.	lb.	10.95	—
No. 8, cns.	lb.	10.95	—
No. 10, cns.	lb.	13.50	—
No. 11, cns.	lb.	13.50	—
No. 22, cns.	lb	9.15	—
No. 33, cns.	lb.	14.65	—
No. 37, cns.	lb.	12.55	—
Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots works 25-50 lb. lots dlvd:—			
Blue, Ext. D&C, No. 1, cns	lb.	16.10	—
Green, Ext. D&C, No. 1, cns.	lb.	16.10	—
Red, Ext. D&C, No. 1, cns.	lb.	13.50	—
Yellow, Ext. D&C, No. 1 cns	lb	10.95	—
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).			
20 Orange AD	lb.	.64	—
27 Fast light orange 2G	lb.	.78	—
31 Phloxine 2G	lb.	.64	—
36 Alizarine yellow 2G	lb.	.83	—
40 Orange R extra, conc	lb.	1.06	—
57 Fuchsine 6B	lb.	.57	—
79 Scarlet 2R	lb.	.74	—
151 Orange Y	lb.	.47	—
161 Orange RR	lb.	.55	—
176 Fast red A, conc	lb.	.90	—
179 Azo rubine XX, conc	lb.	1.04	—
180 Blue F4B	lb.	.92	—
185 Brilliant scarlet 3RN, conc	lb.	.93	—

Dihydroxydichlorodiphenylmethane—Dyes, Coaltar, General Use

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):			
202 Chrome blue black, conc	lb.	.68	—
203 Chrome black T	lb.	.71	—
208 Fast blue SR	lb.	.91	—
216 Chrome red B	lb.	.84	—
234 Resorcin brown	lb.	.89	—
246 Blue black, extra, conc	lb.	.86	—
275 Milling red 3R, conc	lb.	2.03	—
289 Navy blue 3R, conc., 125%	lb.	1.09	—
299 Black F, conc	lb.	1.40	—
304 Neutral black 2B, conc, 200%	lb.	2.01	—
326 Fast scarlet 4BNC	lb.	1.64	—
332 Bismarck brown RX, conc	lb.	.86	—
365 Brilliant yellow, conc	lb.	2.34	—
382 Scarlet B	lb.	1.65	—
401 Diazo black, BHD	lb.	.63	—
406 Blue, 2B, extra, conc	lb.	1.07	—
419 Diamine fast red FC	lb.	1.12	—
420 Diamine brown M	lb.	.90	—
448 Benzo purpurine 4B conc	lb.	1.18	—
518 Diamine sky blue FF extra conc., 150%	lb.	2.25	—
561 Trisulphon brown BCW, conc	lb.	2.03	—
581 Direct black E, double	lb.	.89	—
593 Diamine green BXN conc, 150%	lb.	.97	—
598 Congo brown GG, conc, 150%	lb.	1.46	—
620 Stilbene yellow G, conc	lb.	.92	—
639 Xylene light yellow GX	lb.	1.79	—
640 Tartrazine conc	lb.	1.46	—
655 Auramine conc	lb.	1.85	—
657 Victoria green, sml. cryst	lb.	2.10	—
662 Brilliant green cryst	lb.	2.79	—
667 Brilliant milling green B conc	lb.	3.68	—
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).			
671 Brilliant blue E	lb.	1.73	—
680 Methyl violet S, conc	lb.	1.10	—
681 Crystal violet powder	lb.	2.15	—
698 Formyl violet S4B	lb.	1.58	—
720 Chrome azure blue BR conc. 200%	lb.	3.75	—
729 Victoria blue B conc	lb.	2.79	—
739 Green SN extra	lb.	2.41	—
749 Rhodamine B extra	lb.	4.33	—
814 Fast yellow NNL conc. 175%	lb.	3.11	—
841 Safranine T extra, conc., 125%	lb.	2.90	—
865 Nigrosine WSJ	lb.	.68	—
922 Methylene blue ZX	lb.	1.55	—
969 Sulphanthrene blue GR paste.	lb.	.76	—
978 Sulphogene carbon HCF grains	lb.	.32	—
1034 Alizarin red S, conc	lb.	2.59	—
1054 Anthraquinone blue B	lb.	2.91	—
1078 Anthraquinone green G	lb.	2.72	—
1083 Alizarin blue black B	lb.	2.33	—
1096 Indanthrene golden orange G, single paste	lb.	2.00	—
double paste	lb.	4.00	—
1099 Indanthrene dark blue BO, single paste	lb.	1.75	—
1101 Brilliant green B, double paste	lb.	2.36	—
1106 Indanthrene blue RS, double paste	lb.	2.57	—
1113 Indanthrene blue GCD, double paste	lb.	1.75	—
1150 Indanthrene olive R, single paste	lb.	1.10	—
1151 Indanthrene brown R, single paste	lb.	1.68	—
double paste	lb.	3.35	—

THE NAME TO WATCH IN CHEMICALS

ORONITE CHEMICAL COMPANY

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A major source of supply for-

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824 WHITNEY BUILDING, NEW ORLEANS 12, LA.

Dyes, Coaltar, General Use—Fishscrap

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
1212 Sulphanthrene red violet 2RN, single paste lb. 1.62 - —
1217 Sulphanthrene orange R, single paste lb. 1.65 - —
p-4 Acid anthracine brown PGN, lb. 2.31 - —
p-14 Anthracene chromate brown EBN lb. 1.31 - —
p-24 Benzo fast black L conc., 150% lb. 2.15 - —
p-80 Diazo brilliant scarlet ROA lb. 2.79 - —
p-202 Zambesi black V lb. 1.06 - —
p-244 Celliton scarlet B lb. 1.31 - —
p-313 Naphthol AS-SW lb. 2.42 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.
Black, blue, No. 550 lb. .81 - —
Jet, No. 551 lb. .89 - —
Brown, R, conc lb. 1.72 - —
Orange R, brilliant lb. .90 - —
Red 4 B, conc lb. 1.37 - —
Yellow, C lb. 1.18 - —
FN, conc lb. 1.22 - —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.
Auramine, O. lb. 1.85 - —
Black, basic, blue lb. 1.21 - —
Jet lb. 1.21 - —
Blue, methylene, 2 B, conc lb. 1.55 - —
Brown, Bismarck, R, conc lb. .86 - —
Chrysodine, R, extra lb. .60 - —
Y, extra lb. .64 - —
Fuchsine, conc lb. 3.08 - —
Green, malachite, conc lb. 2.10 - —
Rhodamine, B lb. 4.33 - —
Safranine, Y, conc lb. 2.90 - —
Violet, methyl, B lb. 1.10 - —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.
Azo rubine R, extra, conc lb. 1.04 - —
Black, acid blue, B, extra lb. .86 - —
Orange, Acid, Y, conc lb. .47 - —
Scarlet, croceine, MOO lb. 1.45 - —
Yellow, azo-, conc lb. .90 - —
Fast light, 3 G, extra lb. 2.04 - —
Methanil, conc lb. .91 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls lb. .45 - .55
Egg albumen (see Albumen).
Yolk, dried, dom., bbls lb. 1.14 - 1.16
Chinese, spot, bbls. duty paid lb. .87 - .90
tanners, bbls. lb. .06½- .07
Elder flowers, bright, bls lb. .40 - .50
Elecampane root, bls lb. .22 - .26
Elm bark, grinding, bls lb. .30 - .35
powd., bbls., bxs lb. .40 - .45
select bndls lb. .55 - .60
Emetine hydrochloride, USP, bots oz. 37.50 - 40.00
Ephedra herb, bls lb. .30 - .52
Ephedrine synthetic, USP, anhydrous, bots., 100 ozs oz. .98 —
nydrous, bots., 100 ozs oz. .92 - —
Hydrochloride, tin, 100 ozs oz. .75 - —
Sulphate, cryst., tins, 100 ozs. oz. .72 - —
powd., tins, 100 ozs oz. .72 - —

Epichlorohydrin, dms., c.l., works lb. .36¾- —
l.c.l., works lb. .37½- —
tanks, works lb. .35 - —
Epinephrine, synth., USP, bots., 100 grams gram. .42 - —
Epsom salt, tech., bgs., c.l., works, 100 lbs. 2.15 - —
l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Ergot, NS, dms., tin-lined lb. 5.50 Nom.
Eserine, bots. oz. 45.00 -50.00
Salicylate, USP, bots oz. 33.00 -34.00
Sulphate, bots. oz. 32.00 -36.00
Ether, acetate (see Ethyl acetate).
Butyl, dms., c.l., works lb. .32½- —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., frt. equald lb. .14 - —
l.c.l., same basis lb. .14½- —
tanks, same basis lb. .13 - —
technical, dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½- —
tanks, works lb. .12 - —
Divinyl, USP, anesthesia, bots., 50 cc. hospitals bot. 1.00 - —
75 cc. hospitals bot. 1.50 - —
NF, dms., dlvd lb. .25 - —
Ethyl, absolute, ACS, dms lb. .30 - —
anesthesia, USP hospital, cns. lb. .78 - .90
industrial, USP, dms. c.l., dlvd. lb. .14 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .12 - —
synthetic, dms., incl., dlvd. East. lb. .14 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .12 - —

Ether, isopropyl, dms., c.l., dlvd lb. .06¼- —
l.c.l., dlvd lb. .07 - —
tanks, dlvd. lb. .04½- —
Nitrous, conc. bots. 100 lbs lb. 1.03 1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld. lb. .15¾- .18¾
l.c.l., frt. alld lb. .16¾- .19¾
tanks, frt. alld lb. .14 - .17
95-98%, dms., c.l., frt. alld. lb. .16¼- .19
l.c.l., frt. alld lb. .17¼- .20
tanks, frt. alld lb. .14½- .17¼
99%, dms., c.l., frt. alld lb. .16¾- .19¼
l.c.l., frt. alld lb. .17¼- .20¼
tanks, frt. alld lb. .14½- .17½
NF, dms., frt. alld lb. .24 - .25
synthetic, 85-90%, dms., c.l., frt. alld lb. .11¾- —
l.c.l., frt. alld lb. .12¾- —
tanks, frt. alld lb. .10 - —
95-98%, c.l., frt. alld lb. .12 - —
l.c.l., frt. alld lb. .13 - —
tanks, frt. alld lb. .10¼- —
99%, dms., c.l., frt. alld lb. .12¼- —
l.c.l., frt. alld lb. .13¼- —
tanks, frt. alld lb. .10½- —
Acetoacetate, dms., c.l., dlvd lb. .47½- —
l.c.l., dlvd. lb. .48½- —
tanks, dlvd. lb. .46 - —
Acrylate, dms., c.l., and truckload, works lb. .48 - —
less than truckload, works lb. .49½- —
tanks, works lb. .48 - —
Benzoate, dms lb. .70 - .75
Betaethoxypropionate, dms, works lb. 70
Bromide, tech., 98% dms lb. .39 - .41
Butyrate, bots gal. 5.10 - 6.00
cns, works lb. .68 - .87
dms. works lb. 60 —
Carbamate (see Urethane)
Chloride, tech. dms. c.l., frt. alld. E. lb. .16 - .18
l.c.l., same basis lb. .18 - .20
tanks, same basis lb. .13½- —
USP, bbls. cyl lb. .20 .22
Cinnamate, cns. lb. 2.25 2.50
Formate, dms lb. .55 .65
Iodide, bots., works lb. 3.88 4.27
Lactate, dms., works lb. .42¼- —
Methacrylate, dms. c.l. and truckload works lb. .50 —
less than truckload, works lb. .50½- .60
Nitrite (see Ether nitrous)
Oenanthate, dms lb. .95 1.50
Oleate, dms., l.c.l., works lb. No prices.
Oxalate (see Diethyl oxalate).
Silicate, dist (see Tetraethyl orthosilicate) 40% available SiO2 dms works lb. .55 - —
Ethylalphanaphthylamine (see Monoethylalphanaphthylamine).
Ethylaniline, dms., frt. alld lb. .50 - —
Ethylbenzene, dms., c.l lb. .14 - —
l.c.l. lb. .15 - —
tanks lb. .13 - —
Ethylbutyl ketone, dms., c.l., works. lb. .31½- —
l.c.l., works lb. .32 - —
tanks lb. .30 - —
Ethylcellulose, 6b dms 5,000 lbs., works lb. .54 - —
smaller lots, works lb. .56 - .64
Ethylene dichloride, dms c.l., works frt alld E. of Rockies lb. .10¾- —
l.c.l., works, frt. allc E. of Rockies lb. .11¾- —
tanks, frt. alld., E. Rockies lb. .09 - —
Prices West of Rockies, 1c. per lb. higher.
Oxide, cyls., c.l., frt. equald lb. .25¼- —
l.c.l., frt. equald lb. .26¼- —
tanks, frt. dlvd lb. .18¼- —
Trichloride (see Trichloroethane)
Ethylenediamine, dms., c.l. works lb. .42 - —
l.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Ethyleneglycol, dms. c.l., frt. alld. E. lb. .17¾- —
l.c.l., same basis lb. .18¾- —
tanks, same basis lb. .16 - —
Diethylether, dms, c.l works lb. .55 - —
Monobutylether, dms., c.l., works. lb. .21¾- —
l.c.l., works lb. .22¾- —
tanks, works lb. .20 - —
Monoethylether, dms., c.l., works. lb. .19¼- —
l.c.l., works lb. .19¾- —
tanks, works lb. .17½- —
Monoethylether acetate, dms., c.l., works lb. .18¾- —
l.c.l., works lb. .18¾- —
tanks, works lb. .16½- —
Monomethylether, dms., c.l., works. lb. .20¾- —
l.c.l., works lb. .21¼- —
tanks, works lb. .19 - —
Monomethylether acetate, dms., c.l., works lb. .25¾- —
l.c.l., works lb. .26¾- —
tanks, works lb. .24 - —
Monostearate, dms lb. .33 - —
Ethylethanolamines, mixed, dms., c.l., frt. alld., E. Miss lb. .33¾- —
l.c.l., same basis lb. .34¾- —
tanks, same basis lb. .32 - —
Ethylmorphine hydrochloride, USP bots oz. 11.85 - —
Ethylorthotoluidine (see Monoethyl orthotoluidine).
Ethylvanillin, cns. 5 lbs. or more lb 6.75 - —
smaller lots lb 6.80 6.90
Eucalyptol, USP, cns., dms lb. 1.50 - 2.05
Euphorbia, pil, herb, bls lb. .16 - .18
Eugenol, pure, USP, cns lb. 2.65 - 3.25
Euphorbia, herb, bls lb. .18 - .20

F

Feldspar enamel, 100 mesh, bgs., works ton. 20.00 -22.00
Glass, 20 mesh, bulk, tons, works. ton. 11.75 -12.50
Pottery, bgs., ton lots, works ton. 20.00 -22.00
bulk, c.l., works ton. 18.00 -20.00
Fennel seed, Czech., dark, bgs. lb. .12 - .12½
French, bgs lb. .14 - .14½
Indian, bgs. lb. .13 - .14
Fenugreek seed, domestic, bgs. lb. No stocks.
Indian, bgs. lb. .12 - .11½
Moroccan, bgs. lb. .06½- .07
Syrian, bgs. lb. .07 - .07½
Ferric-ammonium citrate (see Iron-ammonium citrate)
Ferric cacodylate (see Iron cacodylate).
Ferric glycerophosphate (see Iron-glycerophosphate).
Ferric hypophosphite (see Iron hypophosphite).
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works lb. .11½- —
water-white, cs., works lb. .13½- —
Fir balsam, Canada, cns gal. 31.50 -32.50
Oregon, bbls. gal. 2.35 - 2.60
Fishberries, bgs lb. .20 - .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area ton. 130.00 - —
Fishscrap, dried, 60% protein, bulk, Balto. area ton. 122.50 - —

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Formaldehyde in Alcohol

The practicability of handling a relatively water-free alcohol solution of formaldehyde at regular temperatures in standard equipment has been proven by Celanese research and development groups. Cost savings and convenience of handling are among several advantages this Celanese product offers processors of formaldehyde-alcohol end products.

FORMCEL is a solution of formaldehyde in alcohol. Currently this latest Celanese product is available in semi-works quantities in the following alcohols:

55% Formaldehyde in Methanol
40% " " "
40% " " Propanol
40% " " Butanols

Formcel is the direct result of pioneering work in formaldehyde chemistry carried on at the Celanese Petroleum and Research Laboratory at Clarkwood, Texas. We will be glad to send you additional data and other information covering this significant Celanese development. Write: Celanese Corporation of America, Chemical Division, Dept. 66-J, 180 Madison Avenue, New York 16, N. Y.

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ACIDS • ALCOHOLS • ALDEHYDES • GLYCOLS • KETONES • PLASTICIZERS • SOLVENTS

Fluorspar, acid grade, bgs., c.i., mines ton 47.50 - —
l.c.l., mines ton 49.50 - —
bulk, contract, c.l., mines ton 42.00 - —
noncontract, c.l., mines ton 45.00 - —
l.c.l., mines ton 47.00 - —
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l. mines net ton 37.00 - —
powd., 90-92% ton 41.00 - —
foundry grade, lump 55-60% ton 34.00 - —
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines ton 37.00 - —
65%, bulk, c.l., mines ton 36.00 - —
60%, bulk, c.l., mines ton 34.00 - —
less than 60% bulk, c.l., mines ton 32.00 - 34.00

Formaldehyde, USP, (inhibited), dms., c.l., E. works lb .0600- .0625
l.c.l., E. works lb .0650- .0675
tanks, E. works lb .0395- .0420
methanol-free (uninhibited), tanks, works lb .0375- .0400

Tankcar and tankwagon prices above are on a delivered oasis in New England Eastern New York, N. J. Eastern Penna. and part of Delaware in states other than Eastern Seaboard as well as W. of Rockies; prices f.o.b. Texas plants, are .0245 for inhibited and .0225 for uninhibited.

Fleaseed (see Psyllium seed).
Fringetree bark, bls lb .53 - .56
Fuller's earth dom. powd., bgs., c.s. Fla. Ga. mines ton 30.00 —
l.ex. mines ton 27.00 —
spent, bulk, Bayonne ton 2.00 4.00
imported, bgs., c.l. ton 30.00 40.00
Furfural, tech., dms., c.l., works lb .12 —
l.c.l., works lb .14 —
tanks, works lb .09½ —
Fusel oil, refined, dms., c.l., dlvd lb .28¾- —
l.c.l., dlvd lb .29¾- —
tanks, dlvd lb .27 - —
Fustic extract, cryst., No. 1, bbls., l.c.l lb .42½ —
No. 1A, bbls., l.c.l lb .41½- —
No. 2, bbls., l.c.l lb .40½- —
No. 3, bbls., l.c.l lb .38½- —
liquid, No. 0, bbls., l.c.l lb .22 - —
No. 1, bbls., l.c.l lb .20½- —
No. 2, bbls., l.c.l lb .19½- —
No. 3, bbls., l.c.l lb .17 —
solid, No. 1, bxs., l.c.l lb .28 .40

G

G salt, bbls, frt. alld lb .66 —
Galangal root, bls lb .25 - .30
Gambier, plantation, bgs., ex dock lb No stocks.
Extract, bbls No stocks.
Gammapicoline, 95% dms., c.l., works lb 1.00 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane, tanks gal .1075- —
Bayonne, 83 octane, tanks gal .116 - —
Gulf coast, 82 octane, tanks gal .105 - .11
Group 3, 82 octane, tanks gal .10375- .10625
Pennsylvania, western, U. S. motor, 83 octane, tanks gal .124 - .13
natural, 26-70 octane, group 3, tanks gal .03875- —
Gelatin, silver label, imported, cs lb 1.15 —
Geisemium root, bls lb .30 - .32
Gentian root, bls lb .16 - .18
grd., bbls., bxs lb .20 - .22
powd., bbls., bxs lb .21 - .23
Geraniol, extra, cns., dms lb 2.60 - 3.20
prime, cns., dms lb 2.20 - 2.40
Geranyl acetate, cns lb 2.60 3.00
Ginger, oleoresin, NF, from African root, bots lb 7.75 - 9.50
from Jamaican root, bots lb 10.50 - 14.00
Root, African, bls lb .44 - .45
Cochin, bleached, bgs., futures, lb No stocks.
unbleached, bgs lb .55 - .60
Jamaica, No. 1, bgs lb .65 - .66
No. 2, bgs lb .64 Nom.
No. 3, bgs lb .57 Nom.
Rhattoon, bgs lb .50 Nom.
Nigerian, split, bgs lb .34 - .35
Ginseng root, cs lb 12.00 - 16.00
Glauber's salt, anhyd. (see Sodium sulphate)
cryst., bgs., c.l., works, frt. alld. ton 45.00 - —
l.c.l., works ton 50.00 - —
Glue, bone, calcium type 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb .20½- —
65 jellygrams, bgs., c.l., same basis lb .22½- —
80 jellygrams, bgs., c.l., same basis lb .24 - —
110 jellygrams, bgs., c.l., same basis lb .25 - —
130 jellygrams, bgs., c.l., same basis lb .26 - —
Over 150 jellygrams, bgs., c.l., same basis lb .27 - —
Bone glue, l.c.l., 1c. per lb. higher than c.l.
ground, 65 jellygrams, bgs., c.l. (50,000 lbs.), dlvd lb .22½- —
l.c.l., same basis lb .23½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd lb .26 - .28
122-149, bgs., c.l., dlvd lb .27 - .30
150-177, bgs., c.l., dlvd lb .28 - .31
178-206, bgs., c.l., dlvd lb .29 - .33
207-236, bgs., c.l., dlvd lb .30 - .34
237-266, bgs., c.l., dlvd lb .31 - .35
267-296, bgs., c.l., dlvd lb .32 - .36
299-330, bgs., c.l., dlvd lb .33 - .37
331-362, bgs., c.l., dlvd lb .34 - .37
363-394, bgs., c.l., dlvd lb .35 - .38
395-427, bgs., c.l., dlvd lb .36 - .39
428-460, bgs., c.l., dlvd lb .37 - .40½
461-494, bgs., c.l., dlvd lb .38 - .42
495-529, bgs., c.l., dlvd lb .39 - .43
Hide glue, l.c.l., prices 1c. higher than c.l. bbls. ½c. more than bgs.
Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd lb .60 - .65
soaplye, 80%, tanks, dlvd lb .55 - .60
dynamite, dms., c.l., dlvd lb .44 - .55
l.c.l., dlvd lb .44½- .55½
tanks, dlvd lb .43½- .54½
high gravity, dms., c.l., dlvd lb .44¼- .55
l.c.l., dlvd lb .44¾- .45½
tanks, dlvd lb .43¾- .44½
refined, BP, 98%, dms., c.l., dlvd lb .45½- .47
l.c.l., dlvd lb .46 - .57½
tanks, dlvd lb .45 - .56½
USP, c.p., 95%, dms., c.l., dlvd lb .44¾- .55½
l.c.l., dlvd lb .45¼- .56
tanks, dlvd lb .44¼- .55
yellow, distilled, dms., c.l., dlvd lb .44⅛- .54⅞
l.c.l., dlvd lb .43⅝- .53⅜
tanks, dlvd lb .43⅜- .54⅛
Glycine, USP (see Acid aminoacetic)
Glyoxal, 30%, dms., c.l., works lb .18½- —
l.c.l., works lb .19 - —
tanks, works lb .18 —
Gold chloride, acid-brown, bots oz 22.50 - 23.00
acid-yellow, bots oz 20.50 —
Gold of pleasure seed, bgs lb 40 41
Goldenseal root, bls lb 4.00 - 4.25
powd., bxs lb 4.50 - 4.75
Gold-sodium chloride, photo, bots oz 13.00 14.00
USP IX, bots oz 14.50 - 15.50
Grains of paradise, bgs lb .44 - .55
Graphite, imported, amorph, powd., bgs., dlvd lb No prices.
crystalline, 88-90% powd., bgs., ex whse lb No prices.
90-92%, powd., bgs., ex whse. lb No prices.
97%, powd., bgs., ex whse lb No prices.
flake, No. 1, 90-95%, ngs., ctns., ex whse lb No prices.
No. 2, bgs, whse lb No prices.
Grease, house, loose, dlvd lb .08¾- —
White, choice, loose lb .12¼- —
Wool (see Degras and Lanolin)
Yellow, loose lb .09 - —
Green, brilliant, thioflavin, toner, molybdic, kgs., works lb 4.25 4.50
Fungstic, kgs., works lb 4.25 4.50
16-20% bbls same basis lb .38½ —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb .34 - .35
6-10%, bbls., same basis lb .35 - .36
11-15%, bbls., same basis lb .36 - .37
16-20%, bbls., same basis lb .36½- .37½
21-25%, bbls., same basis lb .37½- .38½
26-30%, bbls., same basis lb .37¾- .38¾
31-35%, bbls., same basis lb .38¾- .39¾
36-40%, bbls., same basis lb .40½- .41½
41-45%, bbls., same basis lb .42 - .43
46-50%, bbls., same basis lb .24¼- .25¼
50% and over, bbls., same basis lb .45¾- .46¾
Green, reduced color, 5%, bbls., same basis lb .12½- —
6-10% bbls. same basis lb .13¼- —
11-13% bbls. same basis lb .13¾- —
14-16% bbls. same basis lb .14½- —
17-19% bbls. same basis lb .14¾- —
20-21% bbls. same basis lb .15 - —
22-23% bbls. same basis lb .15¼- —
24-25% bbls. same basis lb .15¼- —
26-27% bbls. same basis lb .15¾- —
28-29% bbls. same basis lb .16¼- —
30-31% bbls. same basis lb .17¼- —
32-33% bbls. same basis lb .18½- —
34-35% bbls. same basis lb .19½- —
36-40% bbls. same basis lb .41¾- —
41-45% bbls. same basis lb .24½- —
46-50% bbls. same basis lb .26 - —
51-55% bbls. same basis lb .25¾- —
56-60% bbls. same basis lb .26¼- —
61-65% bbls. same basis lb .27¼- —

Fluorspar—Gum, Asphaltum

Green, chrome, reduced color, 66-70%, bbls., same basis lb .23½- —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport 1½c.); Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Chromium oxide, hydrated, l.c.l., bbls., dms., frt. alld. lb .95 - 1.05
pure, c.l., bgs., frt. alld lb .37½- .44
Dyes (see Dyes, coaltar).
Malachite (thioflavin toner, molybdic, bbls., works lb 3.00 —
tungstic, bbls., works lb 3.40 —
Paris (see P).
Phthalocyanin toner, bbls., works, lb 4.40 5.00
Tungstated, brilliant, kgs lb 3.00 4.00
Emerald, kgs lb 2.60 —
Grindelia robusta herb, bls lb .24 - .30
Guaiac resin, NF, cs lb .60 - .65
ordinary, cs lb .49 - .51
Wood, bls lb .35 - .36
Guaiacol, cryst., tins lb No prices.
Liquid, NF, bots., chys lb 1.90 1.95
Carbonate, dms lb 2.95 - 3.00
Guarana, powd., cs lb 1.50 - 1.75
Gum, accroides (see Gum, yacca).
Aloe (see A.)
Ammoniac, tears, cs lb .90 .93
Arabic, amber, sorts, bgs. lb .13½- .15
powdered, USP, bbls lb .20½ .21
Asafetida (see A).
Asphaltum (see A).

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you can get
theophylline
from tea leaves...
you'll get it quicker
from Mallinckrodt and no maybe!

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Above products available in 100-lb. leverpak drums, 25-lb. fiber drums, 5-lb. bottles.

Theophylline Sodium Salicylate
Available in 100-lb. leverpak drums, 25-lb. glass jars, 5-lb. bottles.

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ACID MANDELIC	MAGNESIUM TRISILICATE	SODIUM BROMIDE
BISMUTH SUBCARBONATE	PHENOBARBITAL	SODIUM IODIDE
BISMUTH SUBNITRATE	PHENOBARBITAL SODIUM	SODIUM SALICYLATE
CALCIUM GLUCONATE	POTASSIUM BICARBONATE	SULFANILAMIDE
CALCIUM MANDELATE	POTASSIUM BROMIDE	SULFATHIAZOLE

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Gum, Benzoin—Iron Cacodylate

Gum, benzoin, Sumatra, cs. lb. .50 - .70
Camphor (see C).
Copal, Congo, No. 1, bgs. lb. .25 - .26
No. 2, bgs. lb. .20 - .22
No. 3, bgs. lb. .17½ - .19½
Manila, toba, B, bgs. lb. No prices.
C, bgs. lb. .28 - .30
CBB, bgs. lb. .26 - .27
CNE, bgs. lb. No prices.
DBB, bgs. lb. .25 - .28
DK, bgs. lb. .18 - .24
dust, bgs. lb. .07½ - .09
soft, MA, bgs. lb. .19 - .21
WS, bgs. lb. No prices.
Philippine, pale, chips, bgs. lb. .22 - .24
nubs, bgs. lb. .30 - .32
seeds, bgs. lb. .19 - .21
sorts, bgs. lb. .20 - .22
Pontianak, chips, bgs. lb. .19 - .22
nubs, bgs. lb. .30 - .32
Dammar, Batavia, A E, bgs. lb. .23 - .25
dust, bgs. lb. .08 - .10
E, bgs. lb. .12½ - .14½
East India, batu, bold, bgs. lb. .13½ - .14½
nubs and chips, bgs. lb. .07½ - .10
bald, bold, bgs. lb. .13½ - .14½
unscraped, bgs. lb. .11 - .12
nubs and chips, bgs. lb. .10 - .11
pale, chips, bgs. lb. .14 - .16
nubs, bgs. lb. .23 - .26
Singapore, No. 1, bgs. lb. .34 - .36
No. 2, bgs. lb. .23 - .25
No. 3, bgs. lb. .09½ - .11
dust, bgs. lb. .09½ - .11
seeds, bgs. lb. .12½ - .13½
Elemi, cns. lb. .23 - .24

Gum, ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. lb. .12 - .12½
wood-rosin type, dms., c.l., dlvd, Ill., Ind., etc. lb. .12 - .12½
Euphorbium, cs. lb. .35 - .40
Galbanum, cs. lb. .75 - .80
Gamboge, pipe, cs. lb. 1.00 - 1.05
powd., bbls. lb. 1.15 - 1.20
Ghatti, No. 2, bgs. lb. .35 - .37
No. 3, bgs. lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1, bbls. lb. .54 - .55
No. 2, bbls. lb. .48 - .49
No. 3, bbls. lb. .44 - .45
Kauri, bgs. lb. .31½ - .32¾
Locust bean, powd., bgs. lb. .38 - .40
Mastic, cs. lb. 2.25 - 2.50
Myrrh, cs. lb. .30 - .35
Olibanum, siftings, cs. lb. .12 - .13
tears, cs. lb. .16 - .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. lb. 1.95 - 2.25
Scammony, cs. lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs. lb. .10 - .11
Tragacanth, No. 1, cs. lb. 3.50 - 3.75
No. 2, cs. lb. 2.30 - 2.55
No. 3, cs. lb. 2.00 - 2.25
powdered, USP, bbls. lb. 1.50 - 1.55
Yacca, bgs. lb. .06 - —

Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald. ton. 22.65 - —
Harlem river, N. Y., frt. equald. ton. 26.25 - —
Medicine Lodge, Kan., frt. equald. ton. 17.00 - —
New Brighton, N. Y., frt. equald. ton. 30.65 - —
Southard, Okla., frt. equald. ton. 17.00 - —
Sweetwater, Tex., frt. equald. ton. 21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald. ton. 12.50 - —
Blue Rapids, Kans., frt. equald. ton. 10.50 - —
Harlem river, N. Y., frt. equald. ton. 12.00 - —
Medicine Lodge, Kan., frt. equald. ton. 12.50 - —
New Brighton, N. Y., frt. equald. ton. 18.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —
Southard, Okla., frt. equald. ton. 12.50 - —
Sweetwater, Tex., frt. equald. ton. 12.50 - —
Stucco, paper bgs., c.l., Akron, N. Y., frt. equald. ton. 8.00 - —
Blue Rapids, Kans., frt. equald. ton. 8.00 - —
Clarence Center, N. Y., frt. equald. ton. 8.00 - —
Fort Dodge, Iowa, frt. equald. ton. 8.00 - —
Gypsum, Ohio, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald. ton. 8.00 - —
Harlem river, N. Y., frt. equald. ton. 8.00 - —
Gypsum, stucco, paper bgs., c.l., National City, Mich., frt. equald. ton. 8.00 - —
New Brighton, N. Y., frt. equald. ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Portsmouth, N. H., frt. equald. ton. 8.00 - —
Roton, Texas, frt. equald. ton. 8.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt. equald. ton. 8.00 - —
Terra alba, paper bags, c.l., Harlem River, N. Y. works ton. 22.50 - —
New Brighton, N. Y., works ton. 21.00 - —

H

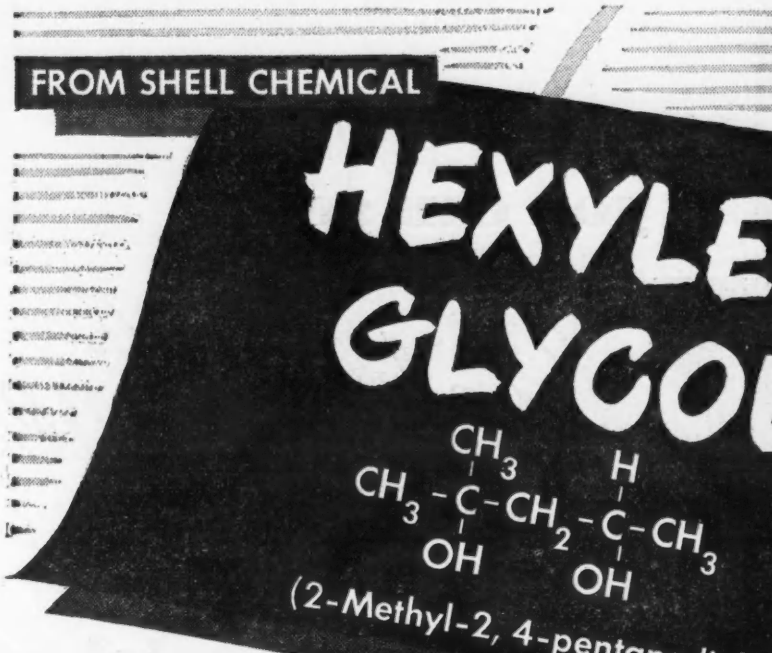
Hawthorn berries, bgs. lb. .40 - .45
Heliotropin, cryst., cns. lb. 3.10 - 3.20
Hellebore root, dom., green bls. lb. .80 - 1.10
imp., black, whole bls. lb. .25 - .30
ground, bxs. lb. .30 - .35
powder, bxs. lb. .32 - .37
white, whole, bls. lb. .25 - .30
powder, bxs. lb. .35 - .45
Helonias root, bls. lb. 1.65 - 1.75
Hematine extract, cryst., No. 0, bbls., t.c.l. lb. .45½ - —
No. 1, obls., t.c.l. lb. .44½ - —
No. 1A, bbls., t.c.l. lb. .41½ - —
No. 2, obls., t.c.l. lb. .40½ - —
No. 3, obls., t.c.l. lb. .38½ - —
No. 4, obls., t.c.l. lb. .36½ - —
No. 5, obls., t.c.l. lb. .34½ - —
paste, No. 1, bbls., t.c.l. lb. .19 - —
No. 2, bbls., t.c.l. lb. .18 - —
No. 3, obls., t.c.l. lb. .17 - —
No. 4, (red), bbls., t.c.l. lb. .12½ - —
Hemlock bark extract, 25% tannin, obls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls. lb. .30 - .35
Henna leaves, bls. lb. .23 - .25
powd., bbls., bgs. lb. .27 - .29
Heptane, industrial Bayonne, N. J., tanks gal. .17 - —
group 3, tanks gal. 12½ - .13½
Hesperidine methylchalcone, bots., works lb. 50.00 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., c.l., Perth Amboy or N.Y.C. lb. .23 - —
t.c.l., same basis lb. .25 - —
bbls., c.l., same basis lb. .23½ - —
t.c.l., same basis lb. .25½ - —
USP, dms., 300 lbs. or more, same basis lb. .39½ - —
smaller lots, same basis lb. .40½ - —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, group 3, tanks. gal. .148 - —
Bayonne, N. J., tanks. gal. .17 - —
Hexanol, normal, dms., c.l., works lb. .31½ - —
t.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Hexyleneglycol, dms., c.l., dlvd lb. .14¼ - —
t.c.l., dlvd. lb. .15 - —
tanks, dlvd. lb. .12½ - —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol, USP, dms., 50 lbs. up, frt. alld lb. 17.00 - —
works lb. 15.00 - 17.00
smaller lots, frt. alld lb. 18.00 - —
works lb. 18.00 - 20.00
Histamine diphosphate, USP, bots kilo. 375.00 - —
Histidine hydrochloride—laevo, NF, lib. dms., 50 kilo lots, works kilo. 100.00 - 120.00
1-5 kilos, works kilo. 110.00 - 130.00
Homatropine hydrobromide, USP, bots oz. 15.00 - 16.00
Hydrochloride, bots oz. 20.00 - 22.00
Methylbromide, NF, bots oz. 13.00 - 16.25
Hoof meal, 17-18% ammonia, bulk, c.l., Chicago unit-ton. 7.25 - —
Hops, NF, bls. lb. .40 - .45
Horehound herb, bls. lb. .15 - .16
Hydrangea root, bls. lb. .14 - .17
Hydrastine, bots. oz. 31.00 - 37.00
Hydrochloride, NF, bots. oz. 29.50 - 36.00
Sulphate, bots. oz. 35.00 - 37.00
Hydrastinine, 10-grain bots. bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydroturamide, dms., lib. cns., works lb. .30 - .40
Hydrogen chloride, anhyd., 50-lb. cyl., works lb. .50½ - .55½
Peroxide, USP, bbls. lb. .03¾ - .05
35%, cbys., same basis lb. .24½ - .25½
dms., c.l., same basis lb. .21½ - —
t.c.l., same basis lb. .22 - .25½
tanks lb. .20¾ - —
Hydrogen peroxide prices on W. Coast, 2c. per lb. higher.
Hydroquinone, photographic, obls., dms lb. .90 - —
teen, dms. lb. .70 - —
Hydroxycitronellal, cns. lb. 8.50 - 8.65
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots. oz. 15.75 - 16.00
Hydrobromide, bots. lb. 16.50 - 18.00
Sulphate, bots. oz. 12.50 - 13.00
Hyperic extract, cryst., No. 1, bbls., t.c.l. lb. .56 - —
No. 2, bbls., t.c.l. lb. .48 - —
liquid, No. 1, bbls., t.c.l. lb. .30 - —
No. 2, bbls., t.c.l. lb. .25 - —
solid, No. 1, bxs., t.c.l. lb. .44 - —
Hyssop herb, bgs. lb. .40 - .45
leaves, bgs. lb. .45 - .50

I

Iceland moss, bgs. lb. .35 - .40
Ichthammol, NF, dms. lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests. lb. 2.14 - 2.16
synth., paste, bots. lb. .23 - —
powd., bbls. lb. 1.03 - —
Indol, CP, bots. lb. 17.50 - 21.00
Inositol, dms., dlvd. lb. 4.90 - —
tins, dlvd. lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs. lb. 1.52 - 1.73
resubl., USP, bots., jars lb. 2.30 - 2.41
Iodochlorohydroxyquinolin, NF, dms. lb. 3.90 - —
Iodoform, NF, dms., kgs. lb. 4.45 - 4.60
Ionone, alpha, cns. lb. 6.10 - 14.00
beta, cns. lb. 8.65 - 10.00
Ipecac root, bgs. lb. 5.00 - 5.50
powd., bgs. lb. 5.25 - 6.00
Irish moss, bleached, prime, bls. lb. .18 - .20
Iron acetate, liquor, 20% ons., c.l., works lb. .09 - —
t.c.l. works lb. .09¾ - —
solut., USP IX, cbys. lb. .16 - —
tins lb. .17 - —
Cacodylate, NF, bots. lb. 13.50 - 14.50

FROM SHELL CHEMICAL

HEXYLENE GLYCOL



(2-Methyl-2, 4-pentanediol)

A versatile, stable glycol with a variety of industrial applications

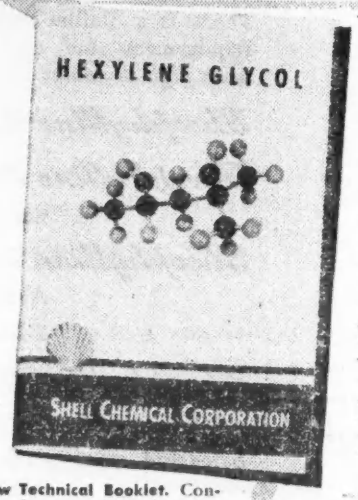
The Diversified Uses of Hexylene Glycol are a result of *four* distinguishing features. Hexylene Glycol is (1) an ideal coupling or blending agent; (2) a high-boiling (198.3°C) solvent and penetrant; (3) an efficient wetting and dispersing agent; and (4) a mild humectant.

Hydraulic Brake Fluids. Brake fluids which contain Hexylene Glycol have high tolerance for moisture . . . show little tendency to promote rubber swelling . . . exhibit low corrosion characteristics . . . form clear solutions with other castor oil brake fluids.

Printing Inks. At ordinary temperatures press stability is insured by the low vapor pressure and mild hygroscopicity of Hexylene Glycol. At elevated temperatures of flash-dry ovens the relatively high volatility of Hexylene Glycol permits fast drying with higher, more uniform press speeds.

Cleaning Compounds. Hexylene Glycol, as a coupling agent in engine cleaners and general industrial cleaners, effects stable and homogeneous emulsions. In pre-spotting soaps, Hexylene Glycol couples the soap with water, contributes solvent power and facilitates the removal of last traces of soap and water during dry-cleaning.

Other applications suggested by the coupling, wetting and high solvency properties of Hexylene Glycol include soluble cutting oils, grinding fluids, wood fungicides and textile assistants.



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Iron chloride (ferric), anhydr., tech., dms., c.l., works	100 lbs.	5.75	—
l.c.l., works	100 lbs.	6.50	7.50
cryst., tech., c.l., bbls., works	100 lbs.	5.00	6.00
l.c.l., bbls., works	100 lbs.	5.50	6.00
USP, dms., works	lb.	.07	.08½
solut., 42° Be, 100% basis, tanks, works	100 lbs.	3.45	—
Citrate, gran., dms	lb.	.77	.80
Gluconate, NF, dms	lb.	.83	.95
Glycerophosphate, N.F., powd.	lb.	4.45	4.55
Hypophosphite, NF, dms	lb	2.80	—
Iodide, bgs	lb.	3.66	3.73
Naphthenate, liq., 6% Fe, dms., frt. alld.	lb.	.23¼	—
Oxalate, gran., dms	lb.	.83	.85
Phosphate, soluble, NF, gran., cs	lb.	.64	.65
Pyrophosphate, soluble, NF VII, gran., dms	lb.	.78	.91
Reduced (see iron by hydrogen)			
Resinate 7 4% Fe, dms, frt. alld.	lb.	.24¼	—
Stearate, dms., c.l.	lb.	.39	—
ton lots	lb.	.40	—
less ton lots	lb.	.41	—
Sulphate, partially hydrated, bgs., c.l., works	ton	28.50	—
l.c.l., works	ton	29.50	—
ferrous, tech (see Copperas)			
USP, cryst, bbls, dms	lb	.09½	.10
Iron by hydrogen, kgs	lb.	.80	.85
Iron-ammonium citrate, green, NF, gran., dms	lb.	.55	.58
brown, USP, gran., dms	lb.	.55	.58
Oxalate, dms	lb.	25½	28½
Iron-potassium oxalate, fine gran., dms	lb.	.30½	.33½
Iron-sodium oxalate, fine gran., dms	lb.	.25½	.28½
Isoborneol, cns.	lb.	.84	.95
Isobornyl acetate, cns	lb.	.77	.97
Isobutyl acetate, cns	lb.	.72	1.25
Methacrylate, dms., works	lb	.60	—
Propionate, cns	lb	No prices	
Isobutyraldehyde, dms., works	lb	.50	53
Isoeugenol, cns	lb.	3.50	3.85
Isopentane, dms, works	lb	45	.55
Isophorone, dms., c.l., works	lb.	.24¼	—
l.c.l., works	lb.	.24¾	—
tanks, works	lb.	.22½	—
Isopropanol (see Alcohol, isopropyl).			
Isopropyl acetate, dms., c.l., frt. alld.	lb.	.11¾	.12¾
l.c.l., same basis	lb.	.12½	.13½
tanks, same basis	lb.	.10	.11
Alcohol (see Alcohol, isopropyl)			
Benzene (see Cumene)			
Ether (see Ether, isopropyl).			
Isopropylamine (see Monoisopropylamine).			
Isoquinoline, dms., c.l., works	lb	20	—
l.c.l., works	lb	40	—

J

Jaborandi leaves, bls	lb.	.15	.20
Jalap root, NF, bls	lb	43	45
powd., bbls, bxs	lb	.48	.50
Juniper berries, bgs	lb.	.17	.20
Tar, dms.	lb.	.40	.65

K

Kamala, powd., cns	lb.	.70	.80
Kaolin (see China clay).			
Kava kava root, bls	lb	.25	.30
Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks	gal.	.09	—
Bayonne, 41-43 s.g., w.w., tanks	gal.	.096	—
California, 40-43 s.g., w.w., tanks	gal.	.116	.122
Gulf ports, 41-43 s.g., w.w., tanks	gal.	.0875	.0925
Okla.-Tex, 41-43 s.g., w.w., tanks	gal.	.08875	.0925
Penn., Western, 45 s.g., w.w., tanks	gal.	.10	.103
Kola nuts, bgs	lb.	.09	.10
Kyanite, imp., low iron content, 10 mesh, whse	ton	85.00	95.00
calcined, grain, 10 mesh, whse	ton	95.00	105.00

L

Lady slipper root, bls.	lb.	1.45	1.50
Lanolin, anhyd., cosmetic, dms., works	lb.	.32	.34
pharmaceutical, USP, dms., works	lb.	.28	.31
hydrous	lb.	.27	.29
Lard, cash, trcs., Chicago	lb.	.1250	—
Larkspur seed, bgs	lb.	.20	.25
Laurel berries, bls	lb	.25	.26
Leaves, Greek, bls	lb.	.08	.08½
Portuguese, bls	lb.	.11	.11¼
Turkish, bls	lb.	.12	.12½
Yugoslavian, bls.	lb.	.08½	.09
Lauryl chloride, dms., works, frt. equald	lb.	.711	—
Methacrylate, normal, dms., less than truckload, works	lb.	1.00	—
Lavender flowers, medium, bls.	lb.	.55	.60
ordinary, bls.	lb.	.16	.20
select, bls	lb.	.60	.65
Lead acetate, white, crystals, bbls.,	lb.	.21	—
gran., bbls	lb.	.22	—
powd., bbls	lb.	.22	—
USP, cryst., dms	lb.	.26	—
gran., powd., dms	lb.	.27	—
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or over	lb.	.28	—
l.c.l., frt. alld	lb.	.29	.30
1-lb. bgs., c.l.	lb.	.41	—
l.c.l.	lb.	.42	.43
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld.	lb.	.16¾	—
l.c.l., works	lb.	.17¾	—
Carbonate (see Lead, white).			
Chloride, dms.	lb.	.39	—
Iodide, NF V, tars.	lb.	3.30	—
Linoleate, precip., 26.15%, dms.,	lb.	.34	—
Metal, pigs, prime, N. Y.	lb.	.16	—
St. Louis	lb.	.1580	—
Metallic paste, dms., 20,000-40,000 lbs., works	lb.	.32½	—
10,000-20,000 lbs., same basis.	lb.	.33	—
2,000-10,000 lbs., same basis.	lb.	.33¼	—
200 to 2,000 lbs., same basis.	lb.	.34	—
Prices ex whse., Jersey City, N. J., 4½c. per pound higher.			
Naphthenate, liquid, 16% Pb, dms., dlvd.	lb.	.16¾	—
24% Pb, dms., dlvd	lb.	.22¾	—
37% Pb, dms., dlvd	lb.	.29¾	—
Nitrate, bbls., c.l.	lb.	.20	—
l.c.l.	lb.	.20¼	—
Oleate, fused, bbls	lb.	.24	—
Orthosilicate gel, 50% PbO, dms., works	lb.	.31¾	—
60% PbO, dms., works	lb.	.30¼	—
Lead, peroxide, powd., tech., bbls.	lb.	.40	.41
Phthalate, dibasic, dms., works.	lb.	.40½	—
Red, 95% Pb_3O_4 or less, bbls., c.l., ship't point, frt. alld.	lb.	.18¾	—
l.c.l., same basis	lb.	.19¾	—
97% Pb_3O_4, bbls., c.l., same basis	lb.	.19	—
l.c.l., same basis	lb.	.20	—
98% Pb_3O_4, bbls., c.l., same basis	lb.	.19¼	—
l.c.l., same basis	lb.	.20¼	—
Resinate, precip., dms., dlvd.	lb.	.27	—
Salicylate, normal, dms., works	lb.	.43½	—
Silicate, bgs., l.c.l. ship't pt., frt. alld.	lb.	.1805	.1875
Stearate, dibasic, dms., works	lb.	.53	—
precip., bbls., c.l.	lb.	.39	—
ton lots	lb.	.40	—
less ton lots	lb.	.41	—
Sulphate (see Lead, blue; Lead, white, basic sulphate)			
tribasic, dms., works	lb.	.27½	—
Tallate, liquid, 16% Pb, dms.	lb.	.13½	.14½
24% Pb, dms.	lb.	.17¾	.19
White, basic carbonate, bgs., c.l., ship't point, frt. alld.	lb.	.17¾	—
l.c.l., same basis	lb.	.18¾	—
basic silicate, bgs., c.l., ship't point, frt. alld.	lb.	.15¾	.20¼
l.c.l., same basis	lb.	.16¾	.21¼
basic sulphate, bgs., c.l., ship't point, frt. alld.	lb.	.16¾	—
l.c.l., same basis	lb.	.17¾	—
Lecithin, edible, tech., bleached dms., non-ret., c.l., works	lb.	.16½	—
l.c.l., same basis	lb.	.17½	—
unbleached, c.l., same basis	lb.	.15½	—
l.c.l., same basis	lb.	.16½	—
Lemon peel, bls	lb.	.18	.20
Leucine dextro-laevo, dms., works.	lb.	12.25	15.00
Licorice extract, mass, cns	lb.	.40	.45
powd., bbls	lb.	.55	—
Root, bls	lb.	.08	.09
5-lb. bundles, cs	lb.	.40	.45
powd., bbls	lb.	.11	.12
Lignin extract, tanning grade, bgs., c.l., works	lb.	.05¼	.06½
Lime, agricultural, bgs., works	ton	13.00	13.50
chemical (calcium), lump, per bbl, bulk, Adams, Mass.	ton	10 00	—
Annville, Pa	ton	10 50	—
Bellefonte, Pa	ton	10 50	—
Buffalo, N Y	ton	10 00	—
Carey, Ohio	ton	7.00	—
Cedar Hallow, Pa	ton	10.50	—
Farnams, Mass	ton	14.00	—
Gibsonburg, Ohio	ton	8.50	—
Hannibal, Mo	ton	7.50	—
Keystone, Ala	ton	9.75	—
Knoxville, Tenn	ton	9.75	—
Limedale, Ark	ton	9.00	—
Longview, Ala	ton	9.75	—
Martinsburg, W Va	ton	10.00	—
Menominee, Mich	ton	8.00	—
Mitchell, Ind.	ton	7.50	—
Rockland, Maine	ton	9.00	—
Scioto, Ohio	ton	7.50	—
Sherwood, Tenn	ton	10 00	—
Sherwood, Wis	ton	8.50	—
Woodville, Ohio	ton	9.50	—
York, Pa	ton	10 50	—
Hydrated, paper bgs., Adams, Mass	ton	11.50	—
Annville, Pa	ton	13 50	—
Bellefonte, Pa	ton	13.50	—
Buffalo, N Y	ton	13.50	—
Carey, Ohio	ton	9.00	—
Cedar Hollow, Pa	ton	13.50	—
Lime, hydrated, Engle, W. Va.	ton	13.00	—
Farnams, Mass	ton	14.00	—
Gibsonburg, Ohio	ton	9.50	—
Hannibal, Mo	ton	9.50	—
Keystone, Ala	ton	13.00	—
Knoxville, Tenn	ton	12 25	—
Limedale, Ark	ton	10.50	—
Longview, Ala	ton	13.00	—
Manistique, Mich	ton	9.50	—
Marblehead, Ohio	ton	10.50	—
Mitchell, Ind.	ton	10.00	—
Petoskey, Mich	ton	10 00	—
Port Island, Mich	ton	9 00	—
Rapid City, S Dak.	ton	12 00	—
Rockland, Maine	ton	9 00	—
Scioto, Ohio	ton	9 00	—
Sherwood, Tenn	ton	13.00	—
Sherwood, Wis	ton	10 00	—
Springfield, Mo	ton	9 00	—
Woodyville, Ohio	ton	8 50	—
York, Pa	ton	13 50	—
Spray, paper bgs., Adams, Mass.	ton	11.70	—
Annville, Pa	ton	13 50	—
Bellefonte, Pa	ton	13 50	—
Carey, Ohio	ton	11 00	—
Engle, W Va	ton	13 00	—
Farnams, Mass	ton	14.00	—
Gibsonburg, Ohio	ton	10 00	—
Marblehead, Ohio	ton	10 00	—
Rockland, Me	ton	10 00	—
Scioto, Ohio	ton	10 00	—
Woodville, Ohio	ton	10 00	—
York, Pa	ton	13 50	—
Lime salts (see Calcium)			
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone)			
Limestone, grd., bgs., works	ton	3.50	4.00

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SANTOCHLOR (Monsanto's para-dichlorobenzene), widely used as a deodorant, mothicide and larvacide, has also been proved effective in preventing mildew.

SANTOBANE (Monsanto's DDT) has broad insecticidal properties because it is both a contact poison and a stomach poison.

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SANTOPHEN* 20 (Pentachlorophenol, Tech.)
TRICHLOROBENZENE, Technical
NIFOS*-T (Tetraethyl Pyrophosphate, Tech. For agricultural use only)
NIRAN* (Parathion. For agricultural use only)

Monsanto Herbicidal Chemicals

2,4-D ACID
2,4-D SODIUM SALT
2,4-D ISOPROPYL ESTER
2,4,5-T ACID
2,4,5-T ISOPROPYL ESTER
SANTOBRITE* (Sodium Pentachlorophenate, Tech.)
SANTOPHEN 20 (Pentachlorophenol, Tech.)
*Reg. U. S. Pat. Off.

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Linalool—Methyl Acetone

Linalool, ex bois de rose, cns....lb. 5.45 - 5.80
ex lignaloe wood, cns....lb. 6.50 - 7.10
Linalyl acetate, 90-92%, bots....lb. 5.50 - 6.00
96-98%, bots....lb 6.35 - 7.25
ex petitgrain bots....lb 4.25 6.00
Lindane, 25%, cns., works....lb 3.00 - 3.05
dms works....lb 2.95 —
Linden flowers with leaves, bls....lb. .23 - .28
without leaves bls....lb 22 28
Linseed meal, expeller, 34% bulk, Midwest mills....ton.56.00 -57.00
extracted, 34%, same basis....ton.55.00 -56.00
Litharge, com'l, powd bbls, c.l., ship't point, frt. alld....lb. .17¾- —
l.c.l., same basis....lb. .18¾- —
Lithium benzoate, dms....lb. 1.67 - —
Bromide, NF, bbls., works, frt. equald....lb. 2.00 - 2.25
Carbonate, NF, bbls., kgs....lb. 1.05 - 1.15
Chloride, cryst., dms....lb. .93 - —
Citrate, NF, bbls, dms., kgs....lb. 1.05 - 1.40
Fluoride, bbls....lb 1.80 2.00
Hydride, dms., works....lb.14.00 -18.50
Hydroxide, monohydrate, dms....lb. .90 - 1.25
Salicylate, dms....lb. 1.62 - 1.70
Lithopone, ordinary bgs, c.l. dlvd....lb. .07 - —
l.c.l., dlvd....lb. .07¾- .08
Titanated (high-strength), bgs, c.l., dlvd....lb. .09 - —
l.c.l., dlvd....lb. .10 - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls....lb. 70 75
Lobelia herb, bls....lb. .55 - .56
leaves, NF....lb. .80 - .85
Lobeline sulphate, bots., works....oz.34.00 -36.00

Logwood extract, crystals, No. 1, bbls., l.c.l....lb. .38½- —
No. 2, bbls., l.c.l....lb. .36½- —
liquid, No. 1, bbls., l.c.l....lb. .18½- —
No. 2, bbls., l.c.l....lb. .17½- —
No. 3, bbls., l.c.l....lb. .17 - —
No. 4, bbls., l.c.l....lb. .16½- —
solid, No. 1, bxs., l.c.l....lb. .33 - —
No. 2, bxs., l.c.l....lb. .31 - —
No. 3, bxs., l.c.l....lb. .28½- —
No. 4, bxs., l.c.l....lb. .28 - —
No. 5, bxs., l.c.l....lb. .26½- —
No. 6, bxs., l.c.l....lb. 44½- .49½
Lovage root, imported, bls....lb. .75 - .80
Lupulin, tins....lb 1.95 2.00
Lycopodium, cs....lb. 1.35 - 1.50
Lysine hydrochloride, dextro-laevo bots....kilo.145.00 -149.00

M

Mace, Amboina, bls....lb. No prices.
Banda, No. 1, bls., afloat....lb. 2.00 - 2.05
Siauw, No. 1, bls., afloat....lb. 1.55 - 1.60
West Indian, bls....lb. 1.50 - 1.55
broken, bls....lb. 1.35 - 1.40
Madder, Dutch, bgs....lb .29 - .32
Magnesia, calcined, tech., ctns., works....lb. .32 - .34¾
synth., rubber grade, ctns., works....lb. .31 - —
USP, light ctns....lb. .34 - —
heavy bbls....lb. .36 - —
Magnesium arsenate, bgs., cans, works....lb. .20 - .30
Bromide, jars....lb. .90 - 1.00

Magnesium carbonate, tech., bgs., c.l., frt. equald....lb. .09½- —
l.c.l., frt. alld....lb. .10½- —
bbls., c.l., frt. equald....lb. .10¾- —
l.c.l., frt. alld....lb. .11¾- —
kgs., c.l., frt. equald....lb. .12 - —
l.c.l., frt. alld....lb. .13 - —
USP, bgs., c.l., frt. equald....lb. .11¼- —
l.c.l., frt. alld....lb. .12¼- —
bbls., c.l., frt. equald....lb. .11¾- —
l.c.l., frt. alld....lb. .12¾- —
kgs., c.l., frt. equald....lb. .13 - —
l.c.l., frt. alld....lb. .14 - —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt. equald. with N Y C on all other destinations.
Chloride, anhyd., dms., works....lb. .12¼- —
flake, bbls., c.l., works....ton.45.00 —
l.c.l., works....ton.49.00 -51.00
Gluconate, dms., cns....lb. 1.88 - 1.93
Glycerophosphate, dms., works....lb. 5.10 - 5.20
Hydroxide, NF, medicinal, bbls., dms., kgs....lb. .29 - .30
Hypophosphite, dms....lb 1.60 —
Laurate, bbls....lb. .46 - .47
Metal, 99.8% ingots, cs., works....lb. .24½- —
sticks, cs., works, frt. alld. on carlots....lb. .44 - —
Oleate, fused, bbls....lb. .31 - —
Oxide (see Magnesia, calcined)
Peroxide, 15%, dms., works....lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls....lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works....lb. .09 - .10
Stearate, ctns., c.l....lb. .40 - —
smaller lots....lb. .41 - .42
Sulphate (see Epsom salt).
Trisilicate, USP, dms., 1,000-lb. lots....lb. .43 - —
100-lb. lots....lb. .50 - —

Magnesite, chemical grade, bgs., c.l., mines, Calif....ton.67.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash....ton.33.00 - —
Maleic anhydride, dms., c.l., dlvd., ...lb. .32 - .35
l.c.l., dlvd....lb. .33 - .36
Prices on maleic anhydride West of Rockies 1½c. higher.
Malva flowers, black, bls....lb. 1.00 - 1.25
Blue, bls....lb. .95 - 1.10
Leaves, bls....lb. .38 - .40
Mandrake root, bls....lb. .40 - .43
Manganese acetate, bbls....lb. .32 - —
Arsenate, bgs....lb. .12 - .12½
Borate, tech., bbls....lb .23 - —
Carbonate, bbls., works....lb. .21 - —
Chloride, anhyd., dms, works....lb. .20 - .22
Dioxide, African, battery, 84-87%, bgs., 100 tons, works....ton.78.00 - —
smaller lots, works....ton.84.00 -94.00
Gluconate, dms., cns....lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms.lb. 4.25 - 4.45
Hydrate, bbls, works....lb .34 - —
Hypophosphite, NF, dms....lb. 2.00 - —
Linoleate, liquid, 4.35% Mn., dms., ...lb. .30½- —
solid, precip., 8.2% Mn., bbls....lb. .33½- —
Metal, cs., dlvd, East....lb. .30 - .32
Naphthenate, liquid, 6% Mn., dms., frt. alld....lb. .24½- —
Oleate, precip., bbls....lb. .33½- —
Resinate, fused, 3½% Mn., dms., ...lb. .20½- —
precip., dms....lz. .22½- —
Stearate, ctns., c.l....lb. .40 - —
smaller lots....lb. .41 - .42
Sulphate, fertilizer grade, 65% bgs., c.l., dlvd, S E....ton.66.00 - —
l.c.l., dlvd, S E....ton.73.00 - —
feed grade, 80%, bgs., dlvd., S E....lb. .05¼- .07
75%, bgs., c.l., dlvd, S E....ton.76.00 - —
l.c.l., dlvd, S E....ton.83.00 - —
Tallate, 6%, dms....lb. .20¾- —
Mangrove bark, E. Africa, 35% tannin, c.l., ex dock....ton. No stocks.
So. American, 30-32% tannin, c.l., ex dock....ton.52.00 -53.00
Manna, flake, large, cs....lb. 1.10 - 1.35
small, cs....lb. 85 1.00
Mannitol, com'l, dms., works....lb 40 .43
reagent, 50-lb. dms., works....lb 85 —
Marjoram, Argentine, bls....lb. No stocks.
Bohemian, bls....lb. .42 - .43
Chilean, bls....lb. .37 - .38
French, bls., afloat....lb. .42 - .43
Peruvian, bls....lb. .34 - .42
Matico leaves, bls....lb. .25 .33
Melamine, bgs., ton lots, works....lb. .33 - —
500 lbs. or more, works....lb. .33½- —
less 500 lbs., works....lb. .39½- —
Menadione, USP, bots....gram .06½- —
Menthol, natural, USP, bots....lb.12.00 -12.25
synthetic, USP, racemic, cns....lb 7.25 Nom.
Menthyl salicylate, tins....lb. 4.00 4.25
Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld....lb. .34 - —
less ton lots, same basis....lb. .36 - —
Mercaptobenzothiazyldisulphide, bgs., fib. dms., ton lots, works, frt. alld....lb. .42 - —
less ton lots, same basis....lb. .44 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate)
Bisulphate, dms....lb 2.13 2.15
Chloride (see Calomel)
Iodide, red, NF, fib., dms....lb. 4.07 - —
dms....lb 3.27 3.32
Iodide, red, NF, dms....lb 4.07 - —
yellow, NF, fib. dms....lb 4.22 - —
Meta: (see Quicksilver)
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow mercury oxide)
USP, fib. dms....lb 2.44 2.46
Mesityl oxide, dms., c.l., dlvd....lb. .13¼- —
l.c.l., dlvd....lb. .14 - —
tanks, dlvd....lb. .11½- —
Metaldehyde, dms., works....lb. .78 - 1.00
Metachloraniline, dms., works....lb. .75 - —
Metacresol, 98%, dms., c.l., works....lb. .65 - —
l.c.l., works....lb. .66 - —
Metanitroaniline, dms., frt. alld....lb. .97 - —
Metaparaisopropylphenol, dms., c.l....lb. .21 - —
l.c.l....lb. .22 - —
tanks....lb .20 - —
Metanitroparatoluidin, bbls....lb. 1.44 - —
Metaphenylenediamine, kgs., frt. alld, ...lb. .84 - —
Metatoluidine, bbls., c.l., works, frt. alld....lb. .78 - —
l.c.l., same basis....lb. .80 - —
tankcars, same basis....lb. .76 - —
Metatolylenediamine, kgs., frt. alld, ...lb. .80 - —
Methanol, natural, denaturing grade, dms., c.l., frt. alld....gal. .68 - —
l.c.l., frt. alld....gal. .79 - —
tanks, frt. alld....gal. .60 - —
Prices on natural methanol W. of Miss. 3c. higher
Synthetic, zone 1, dms., c.l., frt. alld....gal. .41 - —
l.c.l., frt. alld....gal. .46 - —
tanks, frt. alld....gal. .29 - —
zone 2, dms., c.l., frt. alld....gal. .46½- —
l.c.l., ex whse....gal. .51 - —
tanks, frt. alld....gal. .32½- —
Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., frt. alld., 50-lb or more....lb. 4.55 - —
feed grade, 98%, fib., dms., same basis....lb. 3.00 - —
97%, fib., dms., same basis....lb. 2.97 - —
Methoxychlor, 50% sol., dealers, dms., cs., works....lb. .65 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1....lb. .17 - —
l.c.l., same basis....lb. .17½- —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1....lb. .17¼- —
l.c.l., same basis....lb. .17¾- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.
Acetoacetate, dms., c.l., dlvd....lb. .53 - —
l.c.l., dlvd....lb. .54 - —
tanks, dlvd....lb .31½- —
Methyl acetoacetate prices frt. alld. W., ½c. higher.
Acetone, natural, dms., c.l., E. of Miss., frt. alld....gal. .57 - —
l.c.l., same basis....gal. .63 - —
tanks, same basis....gal. .45 - —
Natural methyl acetone prices W. of Miss. 3½c. per gal. higher.
synthetic, dms., c.l., works, frt. alld. E....gal. .62 - —
l.c.l., works, frt. alld. E....gal. .67 - —
tanks, works, frt. alld. E....gal. .56 - —
Methyl acetone, synth., East territory to all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Here's a tin-and-steel overcoat that both protects and dresses up your
LIQUID WAXES
INSECTICIDES
LINSEED OIL
CLEANING FLUIDS
TURPENTINE
SOLVENTS
LIQUID CHEMICALS
VARNISH
SHELLAC
RADIATOR LIQUIDS
BRAKE FLUID
SPECIAL OILS
Show your product at its best and give it top protection at the same time. Pack it in one of Continental's "F" Style cans. These handsomely fully lithographed cans, which add sales appeal to any product, come in the following standard sizes: ½-pint, pint, quart, ½-gallon and gallon. All are equipped with pouring nozzles, and larger sizes are furnished with handles. For further information on these good-looking practical containers, check with Continental.
You can't beat Continental as a dependable source of supply!

P.S. Continental also makes steel containers in a wide variety of sizes for bulk shipments.

CONTINENTAL CAN COMPANY

Eastern Division: 122 East 42nd St., New York 17 • Central Division: 135 So. La Salle St., Chicago 3 • Pacific Division: Russ Bldg., San Francisco 4

Here's another customer who is saving

with

RO-8

...says Mr. fatty acid

Are you making alkyds, soaps, putty, caulking compounds, waxes, polishes, insecticides, disinfectants, greases? This inexpensive fatty acid can give you a price advantage that will make your competitors squirm.

RO-8 makes very satisfactory alkyds of many types even though color and drying speed do not equal the extremely high standards of other ADM fatty acids like RO-10, RO-11-S or Water White Soya. Check the specifications below . . . notice how closely RO-8 matches higher priced materials in all important respects. Then mail the coupon for samples and technical data.

SPECIFICATIONS

Acid No.	195-205
Saponification No.	198-207
Iodine No.	115 Minimum
Color (Gardner)	6-8
Titre °C.	30 Maximum
Wt. per gallon	7.52 lbs.

Take the Scientific Shortcut with

ADM fatty ACIDS

You can always follow the market with the broad line of
ADM VEGETABLE FATTY ACIDS

FATTY ACID TYPE AND GRADE	PROTECTIVE COATINGS	SYNTHETIC RESINS	INKS	PUTTY AND CAULKING COMPOUNDS	METALLIC SOAPS	LIQUID SOAPS	WAXES AND POLISHES	INSECTICIDES AND DISINFECTANTS	LUBRICATING GREASES	COSMETICS	PHARMACEUTICAL
LINSEED											
Water White	X	X	X								
Regular	X	X	X	X	X	X		X			
SM-500	X	X	X	X	X	X		X			
SM-600	X	X	X	X	X	X		X			
Essential Unsaturated Free Fatty Acids											X
SOYA											
Water White	X	X	X								
Regular	X	X	X		X	X		X			
RO-4	X	X	X		X	X		X			
RO-10	X	X	X	X	X	X	X	X	X		
RO-11S	X	X	X		X			X			
MIXED VEGETABLE RO-8	X	X		X	X	X	X	X	X		
CORN-SOYA Double-Distilled				X		X	X	X	X		
CORN Double-Distilled				X		X	X	X	X		
COTTONSEED Double-Distilled		X			X		X	X	X		
COCONUT Double-Distilled		X				X		X		X	

ARCHER-DANIELS-MIDLAND COMPANY
600 Roanoke Building • Minneapolis 2, Minnesota

● Please send me the following:

☐ INFORMATION ON RO-8 MIXED VEGETABLE FATTY ACIDS

☐ SAMPLES OF RO-8

NAME_____

COMPANY_____

ADDRESS_____

CITY_____ ZONE____ STATE_____

Methyl Acrylate—Nikethamide

Methyl acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload, works lb. .50½- —
Alcohol (see Methanol)
Anthranilate, cns., 100 lbs. or more lb. 2.25 - 2.30
extra cns. lb 4.00 - 4.40
Benzoate, cns., dms lb. .45 - .63
Bromide, dealers, cns lb. .69 - .71
cyls. lb .60 - 78
Chloride, indust., cyl., works lb. .18 - .18½
tanks, multi-unit, works lb. .13½- .14
single-unit, works lb. .11 - .11½
refrigerator mfrs. cyls. dlvd lb. .39 - .48
other consumers or service men, cyls., dlvd lb. .49 - —
Cinnamate, cns lb. 1.43 - 1.75
Cyclohexanol, dms., c.l., works lb. .28½- —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Formate, refd., dms lb. .35 - .40
tech., non-ret. dms., any quantity, works lb. .06 - —
tanks, works lb. .07 - —
Iodide, bots., works lb 3.65 - 4.78
cbys., works lb. 2.80 - 3.00
Lactate, dms. t.c.l., works lb. .35 — —
Methacrylate, dms., c.l. and truckload, works lb. .44½- —
less than truckload, works lb. .45 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib dms lb. 1.90 - 2.00
Roseanilin chloride, USP, bots lb. 5.17 - 5.27
Salicylate, USP, dms., 500 lbs lb. .45 - —
cans, 50 lbs lb. .50 - —
Testosterone, USP 100 gms gm 3.50 - —
Methylheptin carbonate, bots lb. 35.00 - 40.00

Methylal, refined, 95%, dms., c.l., works lb. .11 - —
l.c.l., works lb. .12 - —
tanks, works lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .15¼- —
l.c.l., dlvd lb. .16¼- —
tanks, dlvd lb. .13½- —
Ketone, dms., works lb. 1.05 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., works, lb. .66 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs lb. .75 - .87
Standard vis., (15-1,500 cps.), fib. ctns., c.l., frt. alld. lb. .61 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. alld on 100 lbs lb. .68 - .70
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 3.25 - —
smaller lots kgs. same basis lb. 3.40 - 3.60
Chloride indust. dms., c.l. dlvd E lb. .12 -
l.c.l., dlvd. E lb. .13½- —
tanks, dlvd. E lb. .11½- —
Methylethyl ketone, dms., c.l., dlvd. lb. .11¾- —
l.c.l., dlvd lb. .12½- —
tanks, dlvd lb. .10 - —
Methylionone, A, cns lb 6.55 - 8.80
D, cns lb 7.50 - 9.55
prime, cns lb. 4.55 - 6.40

Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd lb. .13¾- —
l.c.l., dlvd. lb. .14½- —
tanks, dlvd. lb. .12 - —
Methylnapthyl ketone, cns lb. 3.00 - 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylphenylpyrazolone, 250-lb. dms., dlvd. lb. 1.51 - —
less than 250 lbs., dms., dlvd. lb. 1.71 - —
Methylthionine chloride (see Methylene blue).
Mica dry-grd., paint, plastic, 10# mesh, bgs., c.l., works lb. .03½- —
roofing, 20 to 80 mesh, works lb. .03½- —
wet-grd., biotite, bgs. c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse., or frt. alld. E lb. .06½- —
extra fine, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse. or frt. alld. E lb. .06½- —
paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
rubber, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07½- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
Mica, wet-grd., W. of Miss. R., ½c. higher, W. of Rockies, 1c. higher

Milk powder, skimmed, roller, bbls., c.l lb. .10½- .10¾
spray, bbls., c.l. lb. .12¼- .12¾
Whole, roller, bbls., c.l. lb. .28 - .33
spray, bbls., c.l. lb. .28½- .35½
Sugar, crude, bgs., c.l., works lb. .16 - —
edible, bbls., works, 30,000-lb. lots lb. .22 - —
2,000-lb. lots lb. .22¾- —
200-1,800-lb. lots lb. .23¼- —
USP, bbls., works, 30,000-lb. lots lb. .26 - —
2,000-lb. lots lb. .26¾- —
200-1,800-lb. lots lb. .27¼- —
Mineral spirits (see Petroleum, mineral spirits).
Molasses, blackstrap, tanks gal. .15 Nom.
New Orleans, tanks gal. .15 Nom.
Molybdate orange (see Orange molybdate).
Molybdenum metal 99% Mo., powd., kgs lb. 2.60 - 3.00
Trioxide, pure, kgs., works, basis Mo. content lb. .93 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., frt. alld., or dlvd. lb. .09½- —
l.c.l., same basis lb. .10½- —
tanks, same basis lb. .08 - —
Monochlorobenzene prices in the West, 1¼c. higher.
Monoethanolamine, dms., c.s., frt. alld. E lb. .28¾- —
l.c.l., same basis lb. .29¾- —
tanks, same basis lb. .27 - —
Monoethylalphanaphthylamine, dms., works lb. .88 - —
Monoethylamine, dms., c.l., frt. alld. E., basis 100% lb. .21¾- —
l.c.l., same basis lb. .22¾- —
tanks, same basis lb. .20 - —
Monoethylorthotoluidine, bbls. lb. .80 - —
Monoisopropylamine, dms., c.l., frt. alld. E. lb. .26¼- —
l.c.l., same basis lb. .27¼- —
tanks, same basis lb. .24¼- —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .33 - —
l.c.l., same basis lb. .35½- .36
tanks, same basis lb. .31 - —
Monononylnaphthalene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb. 49 - —
Morphine, cns. oz. 12.40 - 12.60
Acetate, cns. oz. 9.85 - 9.90
Hydrobromide, cns. oz. 9.80 - 9.90
Hydrochloride, NF, cns oz. 9.90 10.00
Sulphate, USP, cns oz. 9.90 - 10.00
Morpholine, dms., c.l., works lb. .60½- —
l.c.l., works lb. 61 - —
tanks, works lb. .59 - —
Mountain ash berries, bgs lb. 65 - .75
Mullein flowers, cs lb. 1.15 - 1.20
Leaves, bls. lb. .21 - .25
Musk, natural, Tonquin, grains, bots. oz. 25.00 - 30.00
synthetic—Ambrette, 100 lbs., fib. dms. lb. 5.40 - —
25 lbs., cns lb. 5.50 - —
5 lbs., cns lb. 5.65 - —
Ketone, 100 lbs., fib. dms lb. 4.95 - —
25 lbs., cns lb. 5.05 - —
5 lbs., cns lb. 5.20 - —
Xylol, 100 lbs., fib. dms lb. 1.40 - —
25 lbs., cns lb. 1.45 - —
5 lbs., cns lb. 1.55 - —
Musk root, bls lb. No prices.
Mustard seed, Calif., brown, bgs., f.o.b. source lb. .0935- .0950
Dutch yellow, bgs., futures lb. .14 - .14½
English, yellow, bgs lb. .15 - .15½
Montana, brown, Sept.-Oct., bgs., source lb. No prices.
Oriental, Sept.-Oct., bgs., source lb. No prices.
yellow, Sept. Oct., bgs. source lb. No prices.
Washington, yellow, source, bgs. lb. No prices.
Myrobalans, J1, assorted, bgs., ex dock ton. 46.00 - 48.00
crushed, bgs., ex dock ton. 72.00 - —
J2, bgs., ex dock ton. 38.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, tanks, frt. alld lb. .0525- —
78°, dms., c.l., same basis lb. .0665- —
l.c.l., same basis lb. .0560- —
tanks, same basis lb. .0575- —
refined, industrial, bbls., c.l., frt. equald lb. .10¼- —
bgs., c.l., same basis lb. .09¾- —
tanks, same basis lb. .09¼- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis lb. .13 - —
cs., 50 lbs., c.l., same basis lb. .13¼- —
1-lb. pkgs., c.l., same basis lb. .15½- —
Naphthalene, imported, crude, 78°, large lots lb. .05 - .05½
refined, 30,000-lb. lots lb. .10½- —
smaller lots lb. .11 - —
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 7.35
Nephelin syenite, glass, 24 mesh, bulk, Rochester, N. Y. ton. 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y ton. 18.25 - —
Nephelin syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns lb. 2.25 - 2.30
Niacin (see Acid, nicotinic).
Niacinamide (see, Nicotinamide).
Nickel acetate, bbls., dlvd lb. .57 - .57½
Carbonate, bbls., dlvd lb. .60½- .61
Chloride, bbls., dlvd lb. .31 - —
Cyanide, bots., dms lb. 1.75 - 2.00
Formate, bbls., ton lots, frt. alld. lb. .54¾- —
Metal, electro cathodes, cs lb. .48 - —
Nitrate, bbls., works lb. .29¾- —
Oxide, black, bbls lb. .42 - —
Sulphate, bgs., c.l., dlvd lb. .23½- —
l.c.l., dlvd lb. .24 - —
Nicotinamide, USP, dms., frt. adjusted kilo 11.00 - 11.30
Hydrochloride, dms., frt adjusted kilo 10.50 - 10.80
Nicotine sulphate, 40% 50-lb. dms., dealers frt. alld. over 70 lbs., dm 49.40 - —
tins 10 lbs. dealers, frt. alld on cases of 6 tin 10.85 - —
Nikethamide, bots., cbys lb. 5.60 - 5.75

WHY PAY HIGH PRICES
FOR NATURAL ESSENTIAL OILS?

Change to... FELTON ARTIFICIAL ESSENTIAL OILS

Economical! Available! Authentic!

- ABIES SIBIRICA
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- CINNAMON
- CITRONELLA
- CLOVES
- COGNAC
- CORIANDER
- GARLIC
- GERANIUM
- GINGER
- LAVENDER
- LEMON
- LEMONGRASS
- LIMES
- MACE
- NUTMEG
- ORIGANUM
- PATCHOULY
- PEPPER
- PIMENTA
- PINE NEEDLES
- ROSE BULGARIAN
- SAGE
- THYME
- VETIVERT
- YLANG YLANG

AROMATICS • PERFUME BASES • ESSENTIAL OILS
FELTON CHEMICAL COMPANY, INC.
599 Johnson Ave., Brooklyn 6, N. Y.
PLANTS: Brooklyn, N. Y. • Los Angeles, Cal. • Montreal, Que. • Paris, France
SALES OFFICES: Atlanta • Boston • Chicago • Dallas • Philadelphia St. Louis • Toledo • Toronto
Stocks Carried in Principal Cities

Nitrobenzene, dbl. dist., dms., c.l., frt. alld. lb. .10 - —
l.c.l., frt. alld. lb. .11 - —
tanks, frt. alld. lb. .09 - —
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .29 - —
l.c.l., same basis lb. .30 - .32
18-25 cps., c.l. lb. .31 - —
l.c.l., same basis lb. .32 - .34
250-400, 600-1,000 secs., c.l., same basis lb. .35 - —
l.c.l., same basis lb. .36 - .38
spirit soluble, 30-35 cps., ¼, ½ sec., c.l., same basis lb. .38 - —
l.c.l., same basis lb. .39 - .41
5-6, 40-60 secs., c.l., same basis lb. .37 - —
l.c.l., same basis lb. .38 - .40

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.

Nitroethane, dms., dlvd., E. of Rockies lb. .25 - —
Nitrogen solution tanks, work N. ton. 115.00 - —
Nitrogenous process tankage, bulk, works, ammo., ship't., unit-ton. 4.10 - 4.50
Sewage sludge bulk works unit ton 3.25 + 40
Nitromethane, dms., l.c.l., dlvd. E. of Rockies lb. .25 - —
Nitropropane, 1, dms., dlvd., E. of Rockies lb. .23¼- —
2, dms., dlvd., E. of Rockies lb. .25 - —
Nonylphenol, dms., c.l., works lb. .28½- —
l.c.l., works lb. .29½- —
tanks, works lb. .27½- —
Nutgalls, Aleppo, bgs lb. .38 —
Chinese, bgs lb. .32 —
Istrian, bgs lb .31 —
Nutmeg, East Indian, 110's, cs. lb. .72 - .72¼
shipment, cs. lb. .71 - .72
West Indian, bgs. lb. .50 - .50½
futures, bgs. lb. .50 - .50½
Nux vomica, bls. lb 10 .12
powdered, bbls, bxs lb 13 .14

O

Oakbark extract, 25% tannin, bbls., c.l. works lb. No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l gal. .19 —
l.c.l gal. .21 .60
tanks gal. 15½- —
10°C., b.r. Bayonne, N.J., tanks gal. .17 - —
Octanol, normal, tech., dms., c.l., dlvd lb. 34½- —
l.c.l., dlvd lb. 36½- —
tanks, dlvd lb. .32 - —
Octyl methacryiate, normal, dms., less than truckload, works. lb 82 —
Oil, abies siberica, cns. lb. 3.75 - 4.00
Almond, artificial, bitter (see Benzaldehyde)
natural, bitter, F.P.A., bots. lb. 3.15 - 3.85
NF, bots lb. 3.00 - 3.75
sweet, dms., cns lb. .50 - .85
Allspice (see Oil, pimento).
Amyris, dms. lb. 1.60 - 2.60
Angelica root, bots. lb. 150.00 -160.00
seed, bots. lb. 100.00 -130.00
Anise (see A)
Anise, USP, Chinese, dms. lb. 1.33 - 1.65
Apricot kernels, USP, dms. lb. .44 - .60
Avocado, cns. dms lb 1.00 1.10
Babassu, crude, tankcars lb. .19½- —
Bay, NF, Puerto Rican, 50-55%, cns lb. 1.25 - 1.50
55-60%, cns. lb. 1.35 - 1.60
West Indian, 50-55%, cns., dms lb. 1.07 - 1.35
Bergamot, artif., cns. lb. 3.75 - 5.25
natural, NF, Italian, cns. lb. 6.25 - 7.00
Birchtar, crude, cns. lb. 1.30 - —
rectified, NF, cns. lb. 4.60 - —
Bois de rose, Brazil, dms. lb. 3.70 - 4.15
Mexican (see Oil, Rignaloe wood)
Bone, dms., works gal .65 .70
Cajeput, tech., dms. lb. 2.10 - 2.35
redistilled, USP, cns. lb. 2.65 - 2.85
Calamus, cns lb 20 00 -28 00
Camphor, sassafrassy, dms. lb. .24 - .60
white, dms. lb. .22 - .60
Cananga, native, cns. lb. 4.50 - 5.25
rectified, cns. lb. 5.35 - 6.25
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns. lb. 3.65 - 4.50
Cardamom, NF, bots. lb. 60.00 -68.00
Cassia, USP, cns., dms. lb. 4.35 - 5.00
Castor, blown, dms., c.l. lb. .2625- —
dms., l.c.l lb. .2670- —
dehydrated, bodied, dms., c.l. lb. .28 - —
l.c.l. lb. .2875- —
tanks lb. .2675- —
unbodied, dms., c.l. lb. .2700- —
l.c.l. lb. .2750- —
tanks lb. .2575- —
hydrogenated, dms., l.c.l. lb. .3125- —
No. 3, tech., dms., c.l. lb. .24 - —
l.c.l. lb. .2450- —
tanks lb. .2275- —
No. 1, Brazilian, tanks lb. .22½ Nom.
standard, dms., c.l. lb. .2425- —
l.c.l. lb. .2475- —
tanks lb. .23 - —
refined and deodorized, dms., c.l lb. .2550- —
l.c.l. lb. .2625- —
sulphonated, 50% (48% fat), dms. lb. .13½- .14
75% (60-62% fat), dms. lb. .18½- .19
Cedarleaf, USP, cns., dms. lb. 2.45 - 2.65
Cedarwood, cns lb. .40 - .60
dms. lb. .35 - .55
Celeryseed, bots. lb. 16.50 -18.00
Chamomile, blue, Hungarian, bots. lb. 250.00 -280.00
Chaulmoogra, NF, cns., dms. lb. .55 - .70
Chinawood (see Oil, tung).
Cinnamon bark, USP, bots. lb. 30.00 -60.00
Leaf, Ceylon lb. 1.30 - 1.50
Citronella, Ceylon, cns., dms. lb. 1.50 - 1.90
Java, true, cns. lb. 2.00 - 2.65
Java type, cns lb. 2.00 - 2.55
Clove, USP, from buds, cns., dms. lb. 2.05 - 2.45
Coconut, crude, tanks, Atlantic ports lb. .17 Nom.
Pac. Coast lb. .15¾- —
refined, Cochin type, tax incl., dms., l.c.l lb. .25¾- —
deodorized, tax incl., dms., l.c.l. lb. .27½- —
Cod, Newfoundland, dms lb. .10 Nom.
Codliver, USP, dms. gal. 1.65 - 1.75
Coriander, USP, bots. lb. 25.00 -30.00
Corn, crude, tanks, works lb. .17 - .17¼
foots, acid 95% tanks dlvd E lb. .07½- —
raw, 50%, tanks, dlvd., E lb. .03¼- —
refined, dms., l.c.l., New York lb. .22¼- —
tanks, same basis lb. .20½- —
Costus, bots oz. 25.00 - —
Cottonseed, crude, tanks, Southeast and Valley lb. .17¼- —
foots, acid 95% tanks dlvd E lb. .07 - —
raw, 50%, tanks, dlvd., E lb. .03¼- —
refined, dms., l.c.l. lb. .23½- —
tankcars lb. .21¾- —
Creosote (see Crotonic, coaltar).
Croton, cns lb 4 75 5 50
Crude (see Petroleum, crude)
Cubeb, cns. lb. 5.75 - 7.50
Cumin, bots. lb. 4.50 - —

Oil, cypress, bots. lb. No stocks.
Degras (see D).
Dillseed, India, bots. lb. 6.35 - 7.75
Dillweed, domestic, bots., dms. lb. 4.60 - 5.50
Dip (see D).
Erigeron, cns. lb. 5.25 - 7.50
Eucalyptus, rectified, 80-85%, dms. lb. .85 - 1.10
70-75%, dms. lb. .74 - .88
Fennel, USP, cns. lb. 2.30 - 3.25
Fir, Canada, cns. lb. 2.10 - 2.25
Fishliver, crude, for feeds for concentrating, 6,000 to 12,000 A units per gm., dms., 1,000,000 units. .11 - .11¼
15,000 to 20,000 A units, dms. 1,000,000 units. .11 - .12
25,000 to 35,000 A units dms. 1,000,000 units. .11 - .12
40,000 to 55,000 A units, dms. 1,000,000 units. .12 - .13
Market prices on crude fishliver oil dependent upon conversion factor
prime, natural, or concentrate, 100,000 A units, dms. 1,000,000 units. .15 - —
200,000 A units, dms 1,000,000 units. .16 - —
300,000 A units, dms 1,000,000 units. .16 - —
400,000 A units, dms 1,000,000 units. .17 - —
500,000 A units, dms 1,000,000 units. .17 - —
700,000 A units, dms 1,000,000 units. .17 - —
Prices above are based on the USP XIII method of conversion. E x 1894.
prime, nat. or conc., 100,000 A units dms 1,000,000 units. .16 - —
200,000 A units, dms 1,000,000 units. .17 - —

Oil, fishliver, prime, nat. or conc., 300,000 A units, dms 1,000,000 units. .17 - —
400,000 A units, dms 1,000,000 units. .18 - —
500,000 A units, dms 1,000,000 units. .18 - —
700,000 A units, dms 1,000,000 units. .18 —
Prices above are based on the USP XIV method of conversion, Merton-Stubbs Corrected E x 1900.
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots oz. 7.25 8.00
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns. lb. 26.00 -30.00
Bourbon, cns. lb. 31.00 -35.00
Turkish (see Oil palmarosa)
Ginger, dist., bots lb. 23.00 -24.00
Grapefruit, No. 1, dms. lb. .90 - 1.75
Grease, No. 1, dms lb. .16½- .17
extra, Winter, strained, dms lb. .20½- .21
prime, burning, dms. lb. .22 - .22½
Guaiacwood, cns. lb. 1.65 - 1.90
Hemlock, cns. lb. 2.00 - 2.25
Herring, crude, tanks, Pac. coast. lb. No prices.
Juniper berry, NF VIII, bots lb. 2.75 - 3.25
twice rectified, bots. lb. 3.75 - 7.00
Tar, USP (see Juniper tar).
Wood, tech., cns lb. .65 1.00
Lard (see Oil, grease).
Laurel, bots. lb. 9.75 -12.50
Lavandin, cns. lb. 2.55 - 3.25
Lavender flower, French, 30-32% ester, cns. lb. 3.60 - 4.00
38-42% ester, cns. lb. 4.75 - 5.75
40-42% ester, cns. lb. 5.50 - 6.25
Spike, Spanish, cns. lb. 1.50 - 1.70

Oil, lemon, USP, Calif., cns., dms. lb. 3.95 - 4.25
Messina, cns. lb. 4.00 - 7.50
terpeneless, bots lb 32.00 -65.00
Lemongrass, cns., dms. lb. 2.75 - 3.25
Lignaloe wood, Mexican, cns. lb. 3.80 - 4.05
Lime, distilled, Mexican, cns. lb. 5.75 - 7.00
West Indian, cns lb. 6.25 - 7.25
expressed, West Indian, cns lb. 7.25 -13.75
terpeneless, bot lb 45 00 -65.00
Linseed, raw, dms, c.l., Zone 3. lb. .1700- —
l.c.l. lb. .1760- .1800
tankcars lb. .1580- —
tankwagon lb. .1610- —
Boiled linseed oil .007 higher than raw
Mace, dist., cns., dms lb. 3.65 - 4.90
Mandarin, Floridian, dms lb. 1.90 - 1.95
Italian, cns. lb. 5.25 - 8.50
Menhaden, crude, tanks, Balto lb. .11 Nom.
refined, alkali, dms lb. .1780- —
kettle-bodied, dms lb. .1800- —
light-pressed, dms. lb. .1680- —
tanks lb. .15 - —
Mineral, white (see Oil, white, mineral)
Mirbane (see Nitrobenzene)
Mustard seed, expressed, dms lb. .22½- .23¼
synthetic, cns. dms lb 1.40 1.70
Neatsfoot, 15°, dms. lb. .36 - .36½
20°, dms. lb. .35 - .35½
30°, dms. lb. .29 - .29½
Neroli, NF, French, bots. lb. 125.00 -195.00
Haitian, bots. lb. 90.00 - —
Niaouli, cns. lb. 1.95 - 2.75
Nutmeg, USP, dist., East Indian, cns., dms. lb. 3.65 - 3.90
West Indian, cns., dms. lb. 3.00 - 3.65
Ocotea cymbarum, dms. lb. .65 - .90
Oiticica, liquid, dms. lb. .21 - .22
tankcars lb. .20 - .20½

Why You Pay So Little Today For Petrolatum

● *The Story of How Refining Techniques Developed by Sonneborn Research are Helping to Keep Your Costs Down!*

The cost of almost everything in your business—raw materials, wages, equipment—has skyrocketed during the past fifteen years. That is, almost everything except petrolatum. During this period, the rising cost of steel, for example, outdistanced petrolatum price increases by some 380%.

In the face of greatly increasing material and labor costs, Sonneborn research accomplished this miracle by analyzing and standardizing each step in the refining of petrolatum. As a result, production time and cost are held to an absolute minimum—product quality and uniformity are greatly improved.

That is why, in spite of continually rising costs of everything that goes into making petrolatum, you pay so little today for the finest grade of petrolatum. Another example of Sonneborn research.

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L. SONNEBORN SONS, INC.
300 Fourth Avenue, New York 10, N. Y.

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Leads through Research
WHITE OILS • PETROLATUMS • PETROLEUM SULFONATES

Oil, Oleo—Para-Anisidin

Oil, oleo, extra, dms lb. .17½- —
Olibanum, bots lb. 5.25 - 7.65
extra fine, bots lb. 8.00 - —
Olive, commercial, dms gal. No stocks.
edible, dms., duty paid gal. 3.25 - —
foots, dms lb. .17¼- .17½
Orange, sweet, dist., cns lb. .75 - .90
expressed, USP, Brazilian, cns., dms. lb. 1.25 - 1.50
Calif., cns. lb. 1.10 - 1.75
Florida, cns., dms lb. 1.00 - 1.50
Messina, cns lb. 3.50 - 5.50
West Indian, cns lb. 2.50 - 3.15
sesquiterpeneless, bots lb. 55.00 -105.00
Origanum, Spanish, cns lb. 2.30 - 2.75
Palm, Congo, dms lb. .1655- —
tankcars lb. No stocks.
Palmarosa, cns. lb. 7.85 - 9.25
Palmkernel, crude, bulk, c.i.f. NY lb. No prices.
Paraffin, pale, 100-110 vis. at 100° F, tanks, East Coast refinery gal. .11½- —
Patchouli, dms lb. 22.00 -26.00
Peach kernel, USP (see Oil, apricot kernel).
Peanut, crude, tanks, Southeast lb. .19¼- —
refined, dms., l.c.l. lb. .23½- —
tanks, New York lb. .21½- —
Pennyroyal, USP, dom., cns. lb. No stocks.
imported, cns lb. 5.50 - 5.75
Peppermint, natural, dms lb. 6.25 - 6.85
redist., USP, dms lb. 6.65 - 7.25
Persic, USP (see Oil, apricot kernel).
Perilla, crude, dms lb. No stocks.
Petitgrain, Paraguay, cns lb. 2.25 - 3.40
Pimento berry, NF, dms lb. 4.00 - 5.75
leaf, cns lb. 1.50 - 1.85
Oil, pine, dest.-dist., dms., extra, l.c.l., works, South gal. .0695- —
ex whse., N.Y.C. lb. .0825- —
steam-dist., dms., ex whse., nonret. dms., incl. l.c.l., ex whse., N.Y.C. lb. .117 - —
Pineneedle, Siberian (See Oil, abies siberica).
Putty, petroleum, dms., c.l., dlvd. lb. .11 - —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .10 - —
Rapeseed, tankcars lb. .23 Nom.
Red, saponified, dms lb. .19¾ - .21
tanks lb. .18¼ - —
single dist., dms lb. .20½ - .21¼
tanks lb. .19 - —
double dist., dms lb. .23 - .24¼
tanks lb. .21½ - —
Rice bran, clarif., dms lb. No stocks.
Rose, natural, Bulgarian, bots oz. 35.00 -42.00
Rosemary, Spanish, tech., cns., dms lb. .80 - 1.50
USP, cns., dms lb. .85 - 1.30
Rue, bots lb. 3.00 - 3.25
Safflower, dms., l.c.l. lb. .1825- —
tanks lb. .1550 Nom.
Sage, clary, bots lb. 12.25 -19.00
Dalmatian, cns. lb. 10.50 -11.00
Spanish, cns lb. 1.00 - 2.10
Sandalwood, NF, cns lb. 12.00 -14.50
Sardine, crude, tanks, Pac. coast lb. .11½- —
refined, alkali, dms lb. .1780- —
kettle-bodied, dms. lb. .1880- —
light-pressed, dms. lb. .1680- —
tanks lb. .15 - —
Sassafras, artificial, cns., dms lb. .58 - .85
natural, Brazilian (see Oil, ocotea cymbarum),
domestic, USP, cns., dms lb. 2.00 - 2.50
Savin, cns lb. 2.75 - 3.00
Oil, savory, cns lb. No stocks.
Seal, 2% acid duty extra, dms lb. No stocks.
Sesame, ref., dms., l.c.l. lb. .31½- —
Shingle stain, bbls., c.l., works, gal. .27 - —
l.c.l., works gal. .30 - —
tanks, works gal. .19 - —
Snakeroot, Canada, cns lb. 19.25 -28.50
Soybean, crude, tanks, mills lb. .14 - —
foots, acid, 95%, tanks, dlvd. E. lb. .08 - —
raw, 50%, tanks, dlvd. E. lb. .03¼- —
refined, alkali, dms., c.l. lb. .18 - —
l.c.l. lb. .1845- .1885
tanks lb. .16½- —
clarified, dms., c.l. lb. .1685- —
l.c.l. lb. .1745- .1785
tanks lb. .1545- —
edible, dms lb. .18¾- —
tanks lb. .16½- —
Spearmint, USP, dms lb. 4.35 - 4.65
Sperm, bleached, winter, 45°, dms lb. .1620- .17
tankcars lb. .1520- —
natural, winter, 45°, dms lb. .15 - .16
tankcars lb. .14 - —
Spruce, cns., dms lb. 2.00 - 2.25
Sunflower-seed, imp., refined, tanks lb. No prices.
semi-refined, tanks lb. No prices.
Sweet birch, USP, Northern, cns. lb. 4.95 - 8.00
Southern, cns. lb. 2.00 - 3.75
Tall, crude, tanks, works ton. 40.00 - —
refined, dms., c.l., works lb. .06 - —
l.c.l., works lb. .06¼- —
tanks, works lb. .05 - —
Tallow, acidless, dms lb. .18¾- .19¼
Tansy, dms lb. 7.75 - 9.00
Tar, pine, com'l, dms., incl., c.l., works, South lb. .051 - —
l.c.l., works, South lb. .0534- —
whse., N.Y.C. lb. .0678- —
tanks, works, South lb. .041 - —
rectified, NF, l.c.l., dms., incl., works, South gal. .60 - —
Oil, tar acid (see T).
Teaseed, dms. lb. No stocks.
Theobroma (see Cocoa butter)
Thyme, NF, red, cns., dms lb. 1.60 - 2.85
white, cns. lb. 1.80 - 3.10
technical, white, cns lb. .40 - 5.00
Tung, dom., tanks, mills lb. .24¾- —
imported, cns., c.l. lb. .25½- .26
l.c.l. lb. .26 - .26½
tanks lb. .24½- —
Turkey red (see Oil, castor, sulphonated)
Turpentine, NF, cns., dms lb. .28 - .58
Vetiver, Bourbon, cns lb. 25.00 -30.00
Haitian, cns lb. 22.00 -23.00
Java, cns lb. 22.00 -26.00
Whale, ref., natural, dms lb. No stocks.
Winter-bleached, dms lb No stocks.
Wheat germ, 5-gal. dms gal. 10.00 -13.00
White mineral, tech., 50-65 vis., dms., c.l., N. Y. gal. .48½- .51
l.c.l., same basis gal. .54½- .60½
65-75 vis., dms., same basis gal. .49½- .52
l.c.l., same basis gal. .55½- .61½
USP, 80-90 vis., dms., c.l., same basis gal. .50½- .53
125-135 vis., dms., c.l., same basis gal. .58½- .61
l.c.l., same basis gal. .64½- .70½
145-155 vis., dms., c.l., same basis gal. .65½- .67
l.c.l., same basis gal. .71½- .76½
175-185 vis., dms., c.l., same basis gal. .68½- .71½
l.c.l., same basis gal. .74½- .81
200-210 vis., dms., c.l., same basis gal. .71½- .73½
l.c.l., same basis gal. .77½- .83
335-345 vis., dms., c.l., same basis gal. .76 - .78½
l.c.l., same basis gal. .82 - .87
Wintergreen, USP, nat., Northern, cns. lb. 7.15 -18.00
Southern, cns lb. 3.80 -19.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, NF, cns lb. 6.10 - 6.75
Wormwood, cns lb. 6.75 - 7.25
Ylang-ylang, Bourbon, bots lb. 12.00 -16.00
extra, bots lb. 18.50 -21.00
Madagascar, bots lb. No stocks.
Olein, crude (see Oil, red).
white, low titre, dms lb. .23 - .24¼
tankcars lb. .21½- —
Oleostearin, bbls lb. .16½- —
Olivine, aggregate, c.l., mines ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works ton. 10.00 - —
paper bgs., c.l., works ton. 12.00 - —
Opium, USP, cns. lb. 19.20 -19.45
gran., USP, cns. lb. 21.65 -21.90
powd., USP cns. lb. 21.65 -21.90
Orange, cadmium, lithopone, bbls. frt. alld. E. of Rockies lb. 1.12 - 1.30
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .30 - .38½

Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago

Chrome dinitroanilin toner lb. 1.15 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld. lb. .2210- —
Molybdate, bbls. lb. .42 - .43
Persian, bbls lb. .30 - .45
Orange flowers, bls lb. .40 - .45
Orange peel, bitter, Haitian, bls lb. .13 - .15
Sweet, bls lb. .15 - .18
Oregano, Mexican, bgs lb. .15½- .16
Italian, bgs lb. .18½- .19
Portuguese, bgs. lb. .16 - .16½
Orris root, Florentine, bls lb. .18 - .20
powdered, bbls., bxs lb. .23 - .24
Verona, bls lb. .15 - .18
powdered, bbls., bxs lb. .19 - .24
Orthoaminobiphenyl, dms., c.l., works lb. .32½- —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .31 - —
Orthoanisidin, bbls lb. .60 - —
Orthochloroanilin, dms., 10,000 lbs. or more lb. .60 - —
smaller lots lb. .70 - —
Orthochloroparanitroanilin, dms., dlvd lb. .66 - —
Orthochlorophenol, dms., c.l., frt. equald lb. .29 - —
l.c.l., same basis lb. .30 - —
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald lb. .178 - —
l.c.l., same basis lb. .181 - —
ret. dms., c.l., same basis lb. .165 - —
l.c.l., same basis lb. .168 - —
29° C, non-ret. dms., c.l., same basis lb. .168 - —
l.c.l., same basis lb. .171 - —
ret. dms., c.l., same basis lb. .155 - —
l.c.l., same basis lb. .158 - —
24-29° C, non-ret. dms., c.l., same basis lb. .148 - .156
l.c.l., same basis lb. .151 - .161
tanks, same basis lb. .135 - .145
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies lb. .10¼- —
l.c.l., same basis lb. .11¼- .11½
tanks, same basis lb. .08¾- —
Orthoisopropyl N-phenylcarbamate (see IPC).
Orthoisopropylphenol, dms., c.l., frt. equald lb. .28 - —
l.c.l., same basis lb. .30 - —
tanks, same basis lb. .28 - —
Orthonitroanilin, dms lb. .50 - .53
Orthonitrochlorobenzene, dms lb. .18 - .19
Orthonitrobiphenyl, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Orthonitroparachlorophenol, cns. lb. .75 - —
Orthonitrophenol, bbls., works lb. .85 - —
Orthonitrotoluene, dms., c.l., frt. alld. lb. .09 - —
l.c.l., frt. alld. lb. .10 - —
tanks, frt. alld. lb. .08 - —
Orthophenetidin, dms., works lb. .90 - —
Orthotoluidin, dms., c.l., works lb. .21 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .20 - —
Osage orange crystals, bbls., l.c.l. lb. .33½- —
extract, liquid, bbls., l.c.l. lb. .15½- —
Orthotolidin, (see Tolidine Base).
Ouabaine, USP, bots gram. 3.00 - 4.00
Ox gall, dried, gran. or powd., dms., 5 lbs. and up lb. 3.50 - —
Oxyquinolin sulphate, cns., 100-lb. lots, works lb. 4.25 - —
smaller lots, works lb. 4.51 - —

P

Pancreas substance, assay 1:75 lb. 5.75 - 6.25
Pancreatin, USP., bots lb. 2.50 - 3.00
Panthenol, bots. works, frt. adjust. kilo. 90.00 - —
Papain, powd., NF, cs lb. 4.50 - 5.25
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots oz. 5.00 - —
smaller lots oz. 5.05 - 5.20
Sulphate, cns oz. 7.10 - 7.35
Paprika, Chilean, bgs lb. .29½- .30
Portuguese, bgs lb. .39 - .40
Spanish, bgs lb. .42 - .45
Para-anisidin, dms. works lb. .80 - —

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CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant:
The Exchange Orange Products Co., Ontario, Calif.

Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted	lb.	17.50	21.00
Para-aminophenol, bbls., frt. alld	lb.	.88½	—
Parachlorophenol dms. c.l., frt. equald	lb.	.29	—
l.c.l., same basis	lb.	.30	—
Parachloroanilin dms. frt alld E. Miss	lb	70	—
Parachloro-orthonitroanilin, dms., frt. alld	lb.	.70	—
Paracresol, 98% dms. dlvd	lb.	.50	—
Paracymene dms works, 50 gals. or more	gal	2.50	—
smaller quantities	gal	3.00	—
Paradibromobenzene bgs 500-lb lots	lb	45	—
Paradichlorobenzene dms. c.l., works	lb.	.13½	—
l.c.l., same basis	lb.	.16	.19
Paraffin crude scale, white or yel low 119-121 ASTM, bbls., c.l. refinery	lb	No prices.	
121-123 ASTM, bbls., c.l., ref'y	lb.	No prices.	
126-128 ASTM, bbls., c.l., ref'y	lb.	No prices.	
fully ref'd, slabs, 122-124 ASTM, loose c.l., ref'y.	lb.	.0695-	—
125-127 ASTM, loose, c.l., ref'y.	lb.	.0695	—
128-130 ASTM, loose, c.l., ref'y	lb.	.0695-	—
130-132 ASTM, loose, c.l., ref'y.	lb.	.0705-	—
132-134 ASTM, loose, c.l., ref'y	lb.	.0705-	—
135-137 ASTM, loose, c.l., ref'y.	lb.	.0720-	—

Paraffin prices in bgs and ctns. 1-10c per lb. higher; 1,000 to 9,999 lbs. 2.7c per lb higher, and under 1,000 lbs. 3.7c per lb higher

Paranitrophenol kgs. works, frt. equald	lb.	.42	—
Paranitrotoluene, kgs., frt. alld	lb.	.33	—
Paraphenetidin dms., works	lb.	.80	—
Paraphenylphenol, bgs., c.l., works.	lb.	.31½	—
l.c.l., same basis	lb.	.32½	—
Paraphenylenediamine, redistilled, dms., works	lb.	2.30	2.80
technical refined dms., same basis	lb.	1.05	1.30
Paratertiarybutylphenol, bgs., c.l., works	lb.	.23½	—
l.c.l., same basis	lb.	.24½	—
Parathion, spray powder, 15%, dealers, tins	lb.	.72	—
tech., dms. works	lb.	1.50	2.50
Paratoluenesulphonamide bbls., works	lb.	.70	—
Paratoluidin, bbls., frt. alld	lb.	.61	—
Pareira brava root, whole, bgs	lb.	.35	.40
ground, bxs	lb.	.40	.48
powder, bxs	lb.	.43	.50
Paris green dealer distributor, dms., c.l., works, frt. alld. on 96 lbs. or over	lb.	.33	.37
l.c.l., same basis	lb.	.34	.66
Passion flower herb bls	lb.	.35	.40
Patchouli leaves bls	lb	No stocks.	
Peanut meal 45% sacked, mills	ton.	62.00	64.00
Pectin, citrous, NF powd., bbls	lb	2.05	2.06
tech., powd., bbls	lb.	1.35	—
Penicillin, crystalline potassium, unlabeled, vials, 100,000 units	vl.	.102	—
200,000 units	vl.	15½	—
500,000 units	vl	28	—
1,000,000 units	vl.	52	—
2,000,000 units	vl	1.00	—
bulk, sterile, over 25,000,000,000 unit lots 100,000 units.		.04	—
tablet grade, over 25,000,000,000 unit lots 100,000 units.		.03½	—
Paraformaldehyde, 94-95% powd., dms., c.l., dlvd. N.Y.	lb.	.16	—
10,000 lbs to c.l. same basis.	lb.	.17¼	.17½
1,000-9,999 lbs., same basis	lb.	.18¼	.18½
less than 1,000 lbs., same basis	lb.	.19¼	.20¼
94-95%, powd., dms., c.l., works.	lb.	.14	—
10,000 lbs to c.l., same basis.	lb.	.15	—
1,000-9,999 lbs., same basis.	lb.	.16	—
less than 1,000 lbs., same basis	lb.	.18	—
91-92%, flake, fib. dms., c.l., N. Y. delivery	lb.	.14	—
10,000 lbs., to c.l., same basis	lb.	.15½	—
1,000-9,999 lbs., same basis	lb.	.16½	—
less than 1,000 lbs., same basis	lb.	.18½	—
91-92%, flake, fib. dms., c.l., works	lb.	.12	—
10,000 lbs to c.l., same basis.	lb.	.13	—
1,000-9,999 lbs., same basis.	lb.	.14	—
less than 1,000 lbs., same basis	lb.	.16	—
Paraldehyde, tech., 98% 55 gals., dms. l.c.l., works	lb.	.12½	.13¼
5-10-gal dms., l.c.l., works	lb.	.16½	—
tanks, works	lb.	.10½	—
USP chys	lb	.51	.53
Paranitroanilin, dms., c.l., works, frt. alld	lb.	.45½	—
l.c.l., frt. alld	lb.	.48½	—
Paranitrochlorobenzene kgs., works.	lb.	.19	.20
Penicillin, procaine, bulk, over 25,000,000,000-unit lots 100,000 units.		.04½	—
sodium, unlabeled, vials 100,000 units	vl.	.10¾	—
200,000 units	vl.	.16	—
500,000 units	vl.	.30½	—
1,000,000 units	vl.	.57	—
2,000,000 units	vl.	1.03	—
bulk, over 25,000,000,000 unit lots 100,000 units.		.04½	—
Pennyroyal leaves, bls	lb.	.40	.45
Pentachlorophenol dms., c.l., works, frt. equald	lb.	.20	—
l.c.l., same basis	lb.	.23	.28
truckload, 20,000 lbs., min., same basis	lb.	.20¼	—
Pentaerythritol, tech., bgs., c.l., works	lb.	.32	—
l.c.l., works	lb.	.33	.35

Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).

Pentane industrial, tanks, group 3	gal	10¼	11½
Pepper, black, spot, bgs	lb.	1.74	1.75
October shipment, bgs	lb.	1.78	—
October delivery, bgs	lb.	1.73	—
November delivery, bgs	lb.	1.71	—
December shipment, bgs	lb.	1.50	—
Red, Carolina, longs, bgs	lb.	.38	.38½
Haitian, bgs	lb.	.52	.53
Hontaka, bgs.	lb.	.44	.44½
Louisiana longs, bgs	lb.	.34	.34½
Mexican sports, bgs	lb.	.35	.36
Mississippi sports, bgs., source Oct. shipment	lb.	.35	.36
Nigerian, caps, bgs	lb.	.32½	.34
Sierra Leone, bgs	lb	42	43
Sudanese small, bgs	lb	42	43
Turkish, bgs	lb.	.26½	.27
White, afloat, bgs	lb.	2.85	2.90
Peppermint, USP, dom., bls	lb.	.55	.60
unsweetened, bls	lb	.80	.90
Pepsin, NF, bulk, containers	lb.	3.90	—
Perchloroethylene, dms., c.l., or truckload, works	lb.	.11	—
l.c.l., same basis	lb.	.11¾	—
tanks, same basis	lb.	.10	—
Perchloroethylene, dms., c.l., dlvd. E	lb.	.12	—
l.c.l., dlvd. E	lb.	.12½	—
tanks, dlvd. E	lb.	.11	—
Peru, balsam, dms	lb.	1.15	1.35
Petrolatum, amber, c.l., dms	lb.	.05½	.05⅝
l.c.l., same basis	lb.	.06⅛	.06¼
cream, dms., c.l	lb.	.06½	—
l.c.l., same basis	lb.	.07¾	.08
extra amber, dms., c.l	lb.	.05⅝	.05⅝
l.c.l.	lb.	.06⅜	.06½
USP, white, lily, dms., c.l.	lb.	.08⅜	—
l.c.l.	lb.	.08⅛	.08⅜
snow, dms., c.l	lb.	.07⅜	—
l.c.l.	lb.	.08⅜	.08⅞
soft, dms., c.l	lb.	.07⅛	—
l.c.l.	lb.	.08	.08⅛
yellow, soft, dms., c.l	lb.	.05⅜	.06
l.c.l.	lb.	.06¼	.06⅝

Petroleum crude bulk, at wells.			
California	bbl	1 10	2.99
Illinois	bbl	2.44	2.87
Kentucky	bbl	2.42	2.83
Louisiana Arkansas	bbl	2.08	2.90
Montana	bbl	1.28	2.775
Oklahoma-Kansas	bbl	2.16	2.65
Pennsylvania lower field	bbl.	3.67	—
Upper field	bbl.	4.10	—
Texas, East	bbl	4.65	—
Gulf coast	bbl	2.38	2.95
North, North-Central	bbl	2.23	2.65
Panhandle	bbl	2.23	2.65
West	bbl.	2.33	2.65
Wyoming	bbl	1.28	2.875

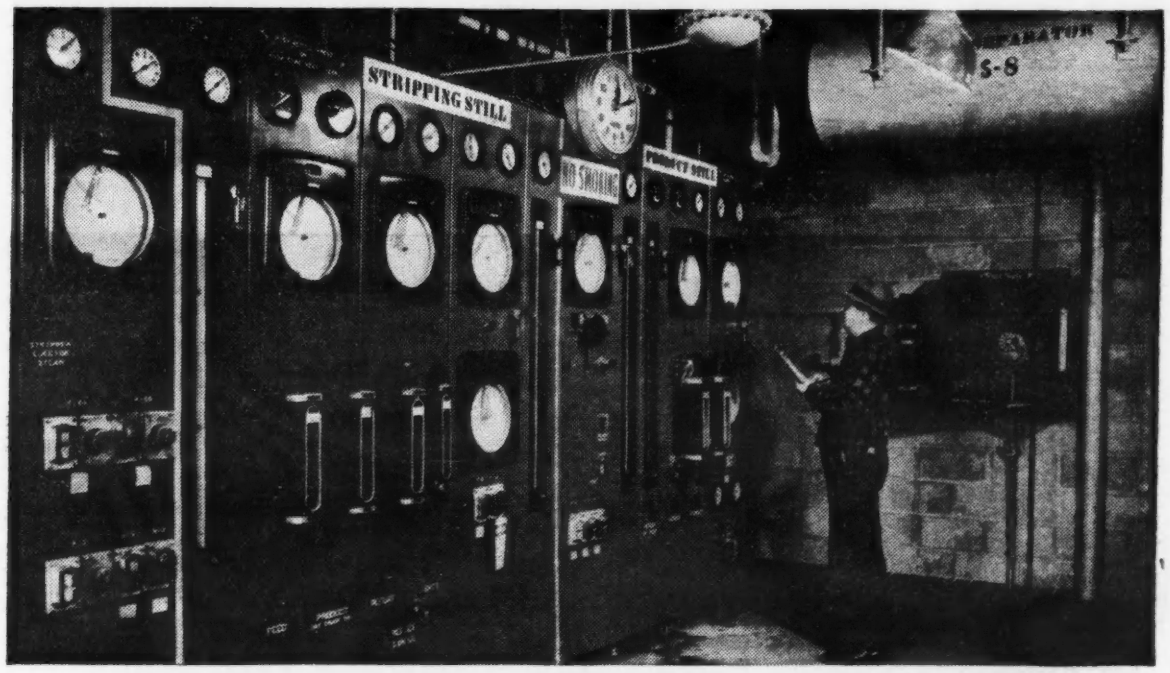
Ether, laboratory, 30°-60° C., 10-gal. cns. dlvd. E	gal.	1.50	—
dms., c.l., group 3	gal	.26	—
l.c.l., same basis	gal	44	—

Para-Acetylaminobenzaldehyde Thiosemicarbazone—Petroleum, Min. Spirits

Petroleum ether, laboratory, 35°-60° C, 10-gal. cns., dlvd E	gal.	1.50	—
dms., c.l. Group 3	gal.	.26	—
l.c.l. same basis	gal.	44	—
40° 75° C. 10-gal cns., dlvd. E	gal.	1.50	—
dms., c.l. Group 3	gal	.26	—
l.c.l. same basis	gal	44	—
90° 160° C ref dms., ex tax, f.o.b San Francisco	gal	.57	—
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery	bbl.	1.55	1.60
light tanks, refinery	bbl.	2.05	2.10
eastern, tanks, Albany, N. Y.	bbl.	2.45	—
Baltimore, Md	bbl.	2.18	—
Boston, Mass.	bbl.	2.20	—
Charleston, S. C.	bbl.	2.13	—
Jacksonville, Fla	bbl.	2.12	—
New York, N. Y.	bbl.	2.15	2.20
Norfolk, Va.	bbl.	2.18	—
Philadelphia, Pa	bbl.	2.18	—
Portland, Me.	bbl.	2.23	—
Providence, R. I.	bbl.	2.175	—
Savannah, Ga.	bbl.	2.13	—
Diesel, tanks, refinery, California	gal.	.099	.104
Pennsylvania	gal.	.09375	.0975
Furnace, tanks, refinery, Arkansas, No. 2	gal.	.0625	—
No. 3	gal.	.07875	—
Bayonne, N. J., No. 2	gal.	.086	—
Group 3, No. 1	gal.	.0875	.09
No. 1, straw	gal.	.0875	.09
No. 2, straw	gal.	.08125	.08625
range	gal.	.07825	.08125
Pennsylvania, western, No. 1.	gal.	.10	—
No. 2	gal.	.095	.1025
No. 3	gal.	.095	.0975

Petroleum, lacquer diluent, California, 170-225 F. b.r., tanks, ex tax, f.o.b. Los Angeles	gal.	.147	—
255 F o.r., tanks ex tax. Portland Ore	gal	158	—
San Francisco	gal	152	—
Seattle Wash	gal	158	—
East coast tanks, N J and N Y refinery	gal.	.17	—
group 3, benzol-type, tanks refinery	gal.	.12125	.12375
toluol-type tanks refinery	gal.	.11625	.11875

Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco	gal.	.152	—
205-295 o.r. tanks same basis	gal	152	—
245-360 o.r. tanks, same basis	gal	152	—
305-382 b.r., tanks, same basis	gal	142	—
312-400 b.r., tanks, same basis	gal	142	—
360-455 b.r., tanks, same basis	gal	152	—
East coast tanks N J N Y., refinery	gal.	.15	—
group 3, tanks	gal.	.10675	—
tankwagon, Baltimore	gal.	.15½	—
Boston	gal.	.17	—
Buffalo	gal.	.17½	—
Newark	gal.	.16	—
New York	gal.	.16	—
Philadelphia	gal.	.15	—
Pittsburgh	gal.	.18	—
Providence	gal.	.17½	—
Rochester	gal.	.19	—
Syracuse	gal.	.20	—
Washington, D C.	gal.	.18½	—



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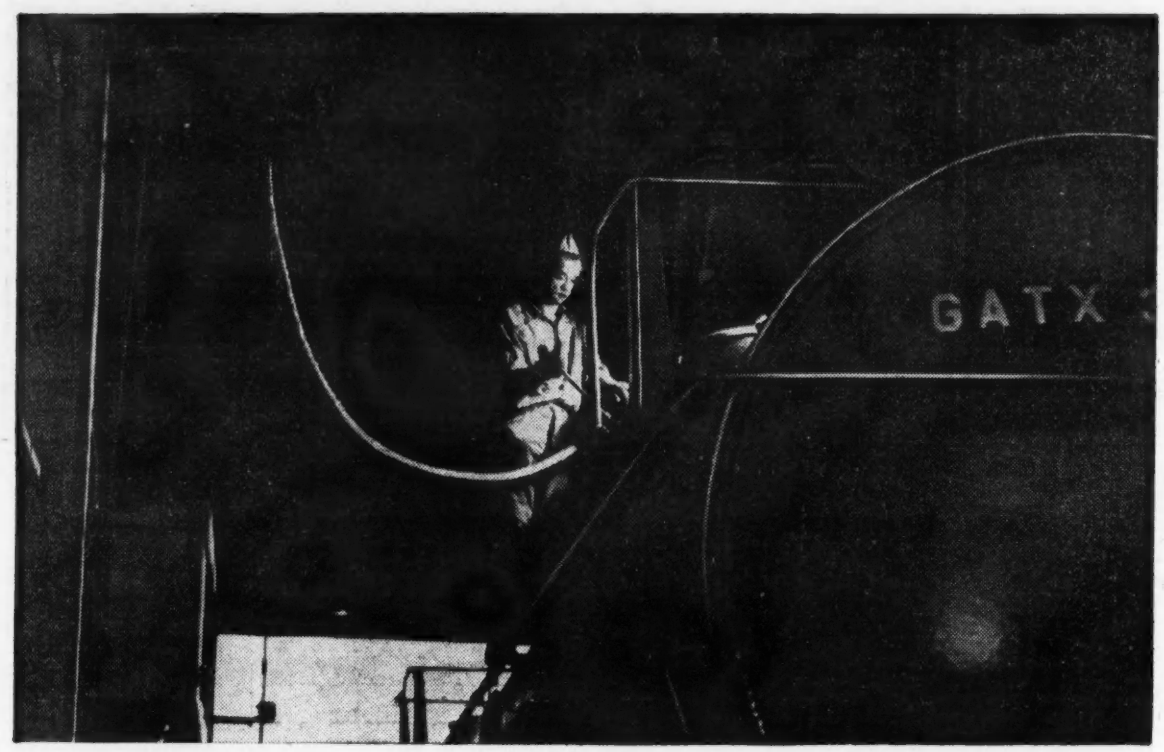
Petroleum naphtha, cleaners, East Coast, tanks, N. J., N. Y., refinery..gal. .15 - —
Group 3, tanks.....gal. .11875- —
tankwagon, Newark.....gal. .15½- —
New York .....gal. .16 - —
Philadelphia .....gal. .15 - —
high-flash, 140° F, group 3, refinery, tanks gal. .13 - .145
200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery or terminal gal. .21½- .23
25-26° C., m.a.p., tanks, same basis..gal. .22 - .26
270-370 b.r., 78-81° C, m.a.p., tanks, same basis gal. .25 - —
49° C., m.a.p., tanks, same basis gal. .28½- —
26-27° C., m.a.p., tanks, same basis..gal. .22 - .26½
300-400 b.r., 28-32° C., m.a.p., tanks, same basis gal. .19½- .28½
340-410 b.r., 27° C., m.a.p., tanks, same basis..gal. .22 - .28½
32° C., m.a.p., tanks, same basis..gal. .22 - —
36° C., m.a.p., tanks, same basis..gal. .22 - —
340-440 b.r., 32° C., m.a.p., tanks, same basis..gal. .27¾- .29½
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles, gal. .147 - —
Portland, Ore.... gal .158 - —
San Francisco....gal. .152 - —
Seattle, Wash.....gal. .158 - —
East coast, N. J., N. Y., tanks..gal. .16 - —
Group 3, tanks.....gal. .11875- .12125

Petroleum naphtha, VM&P, tankwagon, boston.....gal. .18½- —
Newark .....gal. .17½- —
New York .....gal. .17½- —
Philadelphia .....gal. .17 - —
Pittsburgh .....gal. .19 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 - —
East coast, N. J., N. Y., gal. .16 - —
Group 3, tanks.....gal. .11875- —
Pennsylvania, western, tanks gal. .1225- —
Stoddard, California, tankwagon, ex-tax, Los Angeles..gal. .157 - .165
East coast, N. J., N. Y., tanks gal. .15 - —
Group 3, tanks.....gal. .11375- —
tankwagon, Boston.....gal. .17 - —
Newark .....gal. .16 - —
New York .....gal. .16 - —
Philadelphia .....gal. .14 - —
Pittsburgh .....gal. .18 - —
Syracuse .....gal. .20 - —
Sulphonate, 70% sulphonic content, non-ret. dms., c.l., works. lb. .2040- —
l.c.l., works.....lb. .2065- —
tanks, works.....lb. .1850- —
60-62% sulphonic content, non-ret. dms., works. lb. .1865- —
l.c.l., works.....lb. .1890- —
tanks, works.....lb. .1675- —
50-55% sulphonic content, non-ret. dms., works..lb. .1590- —
l.c.l., works.....lb. .1615- —
tanks, works.....lb. .14 - —
Phenobarbital, USP dms., 100 lbs. lb 4.00 4.35
Phenobarbital-sodium, USP dms lb 4.00 4.10

Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies. lb. .1650- —
l.c.l., same basis.....lb. .1725- —
tanks, same basis.....lb. .1475- —
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .1650- —
l.c.l., same basis.....lb. .1725- —
tanks, same basis .....lb. .1475- —
USP, synthetic, dms., c.l., same basis lb. .17¼- —
l.c.l., same basis .....lb. .18 - —
tanks, same basis .....lb. .15½- —
tar, distilled, dms., c.l., same basis..lb. .17¼- —
l.c.l., same basis .....lb. .18 - —
tanks, same basis .....lb. .15½- —
Phenolphthalein, USP or yellow bbls., dms., 2,000 lbs..lb. 1.10 - —
smaller lots.....lb. 1.12 - 1.17
Phenothiazin, NF, fib. dms., c.l., frt. adjusted lb. .46 - —
over 2,100 lbs., same basis lb. .48 - —
less than 2,100 lbs., same basis lb. .50 - —
Phenylacetaldehyde solution, 50%, bots lb. 2.45 - 2.70
100%, bots..... lb 4.00 4.75
Phenylacetamide, 125-lb. dms., works, lb. lots lb 1.25 - —
smaller dms., works.....lb. 1.30 - 1.60
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb.27.00 -37.50
Phenyldiethanolamine, dms., c.l., works lb. .35½- —
l.c.l., works .....lb. .35 - .36½
Phenylethanolamine, dms., c.l., works lb. .67½- —
l.c.l., same basis .....lb. .68½- —

Phenylethyl acetate, dms.....lb. 1.30 - 1.80
Phenylethylphenyl acetate, bots..lb. 3.75 - 4.20
Phenylhydrazin base, CP, bots...lb. 3.00 - 3.07
Hydrochloride, commercial, kgs., works lb. 1.75 - —
CP, bots., works .....lb. 5.12 - —
Phenylmethylpyrazolone (see Methylphenylpyrazolone).
Phloroglucinol, CP, fib. dms., works. lb.15.00 -15.75
commercial, fib. dms., works...lb. 6.40 - —
tech., fib., dms., works.....lb. 9.40 - 9.65
Phosgene, 150-lb cyls., works...lb. 20½- —
Phosphate, defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports..ton.35.00- —
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 70%-68%, b.p.l., c.l., same basis long ton. 4.35 - 4.40
72%-70%, b.p.l., c.l., same basis long ton. 5.00 - —
75%-74%, b.p.l., c.l., same basis long ton. 6.00 - —
77%-78%, b.p.l., c.l., same basis long ton. 7.00 - —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum bulk, c.l., mines, short ton. 4.92 - —
68% b.p.l., basis 31% P_2O_5 minimum mines, short ton. 5.28 - —
70% b.p.l., basis 32% P_2O_5 minimum mines, short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5 c.l., mines, long ton. 6.45 -
30-29% P_2O_5 c.l., mines long ton. 7.21 - —
Phosphorus, red, amorphous, cs., works..lb. .42 - —
dms., works.....lb. .39 - .40
Yellow, cns. .....lb. .30 - .37
dms., c.l. .....lb. .26 - —
Oxychloride, dms., works.....lb. .14 - .17
Pentasulphide, dms., c.l., works. lb. .12 - —
l.c.l., dms., works.....lb. .13 - .14
Pentoxide, dms., c.l., works....lb. .12 - —
l.c.l., works .....lb. .13 - .14
Sesquisulphide, tins, cs., works, lb. .23 - .29
dms., export lb. .33½- .36
Trichloride, dms., c.l., works...lb. .14 - —
l.c.l., works.....lb. .15 - .18
Phthalic annydride, bgs., c.l., works, frt. equald..lb. .17½- .20¼
l.c.l., same basis.....lb. .18½- .21½
tanks, same basis.....lb. .17 - .18½
Bbls. ½c. per pound higher.
Phthallmide, bbls., works .....lb. 1.10 - 1.37
Pichi leaves, bgs.....lb. .08 - .10
Picoline (see Alphapicoline and Betapicoline)
Pilocarpine hydrochloride, NF, bots..oz. 5.25 - —
Nitrate, USP, bots., vials.....oz. 5.10 - —
Pimento, Jamaica, bgs.....lb. .25 - .26
Pinetar retort, dms. incl., c.l., works, South..lb. .051 - —
l.c.l., same basis.....lb. .0534- —
whse., N.Y.C. .....lb. .0678- —
tanks, works, South.....lb. .041 - —
Pinkroot, bls. .....lb. 1.35 - 1.65
Piperidine, 95%, tins, frt. equald. lb. 1.65 - —
98%, dms., same basis.....lb. 1.75 - —
Piperazine hexahydrate, bots...kilo12.50 -13.25
Pipsissewa herb (see Prince's pine).
Pitch, burgundy, domestic, dms. inc., works, South, 1 to 4 dms..lb. .08 - —
5 to 19 dms.....lb. .0775- —
10 or more dms.....lb. .0755- —
Pitch, burgundy, dom., inc., whse., N.Y.C., 1 to 4 dms..lb. .0892- —
5 to 19 dms .....lb. .0867- —
20 or more dms..lb. .0847- —
Coaltar, 150° F, m.p., bbls., c.l., works..ton.34.00 -37.00
l.c.l., works.....ton.37.00 -41.00
Cottonseed, dms., works.....lb. .05 - .07
Hardwood, paper bgs., c.l., works. lb. .02 - —
Linseed, dms. .....lb. .06 Nom.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., dms. inc., l.c.l., works, South..100 lbs. 3.75 - —
Soybean, dms., works .....lb. .04½- .05
Tall, dms., works.....lb. .03 - .03½
Plaster of paris (see Gypsum).
Platinum metal, works.....oz.100.00 -103.00
Pokeroot, bls.....lb. .13 - .14
Pleurisy root, bls .....lb. .25 - .26
Podophyllin, NF dms .....lb.12.45 - —
Polyoxyethylene sorbitan monostearate, dms., 20,000 lbs., works lb. .42 - —
10,000-20,000 lbs., works lb. .44 - —
smaller lots, works .... lb. .47 - .49
tristearate, dms., 20,000 lbs., works..lb. .42 - —
10,000-20,000 lbs., works lb. .44 - —
smaller lots, works..... lb. .47 - .49
Polystyrene, colors, special, bgs., over 30,000 lbs., frt. alld.. lb. .30 - .31
20,000-29,999 lbs., same basis lb. .31 - .31½
10,000-19,999 lbs., same basis lb. .31½- .32
200-9,999 lbs., same basis.. lb. .32 - .32½
standard, bgs., over 30,000 lbs., same basis..lb. .31 - —
20,000-29,999 lbs., same basis lb. .31 - —
10,000-19,999 lbs. same basis lb. .31½- —
200-9,999 lbs., same basis.. lb. .31½- —
crystals, heat-resistant, bgs., over 30,000 lbs., same basis.. lb. .27 - .28½
20,000-29,999 lbs., same basis lb. .28 - .29½
10,000-19,999 lbs., same basis lb. .29 - .30½
200-9,999 lbs., same basis.. lb. .29 - .30½
standard, bgs., over 30,000 lbs., same basis..lb. .27 - —
20,000-29,999 lbs., same basis lb. .28 - —
10,000-19,999 lbs., same basis lb. .29 - —
200-9,999 lbs., same basis.. lb. .29 - —
Polystyrene in non-returnable fiber dms., ½c. per lb. higher.
Pomegranate root bark, bgs.....lb. .68 - .70
Poppy flowers, bls.....lb. .85 - .90
Seed, Argentine, bgs.....lb. .17 - .17½
Czech, bgs. .....lb. .17 Nom.
Dutch, bgs .....lb. .20 - .20½
Polish, bgs .....lb. .16 Nom.
Turkish, bgs., afloat.....lb. No prices.
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works..100 lbs.10.00 - —
l.c.l., works.....100 lbs.10.75 - —

Final examination for a fine chemical



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The operation shown in the photograph above isn't just "another loading job."

Before a tank car is loaded with Wyandotte Chlorine, it is thoroughly examined to insure purity of product and proper functioning of safety valves and outlets. All angle valves are removed, tested and reconditioned. Cars are accurately tared and weighed, assuring full measure.

All this is only one step in supplying pure Chlorine to meet the most exacting requirements of industry.

Wyandotte Chlorine finds use in laundry and industrial bleaches, pesticides and herbicides, and in the production of chlorinated and synthetic rubber. If you want technical assistance, Wyandotte's skilled Technical Service staff stands ready to help you. For information, write:

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Wyandotte, Michigan • Offices in Principal Cities

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BICARBONATE OF SODA
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CHLORINE • HYDROGEN • DRY ICE
SYNTHETIC DETERGENTS • GLYCOLS
CARBOSE (Sodium CMC) • ETHYLENE DICHLORIDE
PROPYLENE DICHLORIDE
AROMATIC SULFONIC ACID DERIVATIVES
OTHER ORGANIC AND INORGANIC CHEMICALS

Wyandotte
REG. U. S. PAT. OFF.

Potash caustic, low-chloride, liquid, 45%, dms., c.l., works, l.c.l., works ..... 100 lbs. 5.125 - —
tanks, works ..... 100 lbs. 4.30 - —
solid, 90% dms., c.l., works, 100 lbs. 9.40 - —
l.c.l., works ..... 100 lbs. 10.15 - —
regular, flake 88-92%, dms., c.l., works .. 100 lbs. 8.50 - —
l.c.l., works ..... 100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works .. 100 lbs. 3.875 - —
l.c.l., same basis 100 lbs. 4.65 - —
tanks, same basis .... 100 lbs. 3.55 - —
solid, 88-92% dms., c.l., works, 100 lbs. 7.90 - —
l.c.l., same basis, works, 100 lbs. 8.65 - —
Potassium abietate, dms ..... lb. .08 - —
Acetate, dms ..... lb. .31 - .36
Bicarbonate, USP, gran, dms lb. .20 .22
powd., dms ..... lb. .22 .24
Bichromate, bgs., c.l., works .... lb. .14 - —
l.c.l., same basis ..... lb. .14¼ - .15
Potassium bichromate in drums, ¾c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works. ton. 192.00 - —
ton lots, works ..... ton. 245.50 - —
less ton lots, works ..... ton. 250.50 - —
Bromate, bbls., 1,000 lbs. or more lb. .50 - .52
25-200-lb. lots ..... lb. .55 - .57
Bromide, USP, cryst., gran., bbls., kgs. lb. .34 - .37
Carbonate, tech., calcined, bbls., c.l., works .. 100 lbs. 8.25 - —
l.c.l., same basis .... 100 lbs. 9.30 - —
Potassium carbonate, hydrated, 83-85%, bbls., c.l., works, 100 lbs. 6.75 - —
l.c.l., works ..... 100 lbs. 7.50 - —
USP, gran., bbls., dms .... lb 16½ .18
powd., bbls., dms ..... lb. .21 .23
Chromate, tech., bgs ..... lb. .32 - .36
Chlorate, cryst., dms., c.l., works. lb. .089 - —
l.c.l., works ..... lb. 0915-.1015
powd., dms., c.l., works ..... lb. .094 - —
l.c.l., works ..... lb. 0965-.1065
export, dms., 1 to 10 tons, ex whse lb. .12 —
NF gran dms lb .31 .33
Chloride, USP, cryst., dms .. lb. .26 .27
gran., dms ..... lb. .20 - .22
powd., dms ..... lb. .29 - .32
Citrate, USP, gran., dms ..... lb. .37½- .38½
powder, dms .... lb 40½ 41½
Cyanide, dms works ..... lb. 52½- .55
Fluoride, dms. works ..... lb. .24 —
Gluconate, dms. ..... lb .75 .79
Glycerophosphate, 75% solution cbys. lb. 2.15 - 2.25
Guaiacol sulphonate, NF, dms lb. 1.80 - 1.85
Hydroxide, tech. (see Potash caustic).
USP, pellets, jars lb 33 - —
Hypochlorite, liquid, cbys., dms., works .. 100 lbs. 3.50 - —
Hypophosphite, NF, ton lots and less, fib. dms lb. .90 .93
Iodide, dms lb. 1.95 1.98
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite gran. bbls lb. .21 - —
powd. bbls lb 25 - —
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M. .. unit-ton. .40 - —
Trona, Cal. unit-ton .48½ - —
50-51 K_2O, paper bgs., Carlsbad, N. M. .. ton. 23.95 - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
purified, dms lb .42 .44
Perchlorate, dms., l.c.l. ..... lb. .14 - .15
kgs., c.l., works ..... lb. .13½- —
Permanganate, tech., dms., works, lb. .22½- .23½
USP, dms., works ..... lb. .24¾- .25¼
Persulphate, dms., c.l., works .. lb. .17 - —
Phosphate tetrabasic, bbls., wks. lb. .13 .13½
Prussiate, red, kgs ..... lb. .60 - .63
yellow, bbls ..... lb .21 —
kegs ..... lb .26 - —
Ricinoleate, tech., bbls .... lb. .11 - —
Silicate, glass, bgs., c.l., works, 100 lbs. 14.70 - —
l.c.l. ..... 100 lbs. 15.20 - —
solution, 29° Be., ret. dms., c.l., works .. 100 lbs. 4.50 - 4.55
l.c.l., 5 dms. or more, works .. 100 lbs. 5.25 - 6.30
30° Be., ret. dms., c.l., works .. 100 lbs. 4.70 - —
l.c.l., works ..... 100 lbs. 5.20 - —
32.5° Be., ret. dms., c.l., works .. 100 lbs. 4.85 - —
l.c.l., works ..... 100 lbs. 5.35 - —
40° Be., ret. dms., c.l., works .. 100 lbs. 5.35 - —
l.c.l., works ..... 100 lbs. 5.85 - —
40.5° Be., ret. dms., c.l., works .... 100 lbs. 6.00 - 6.75
l.c.l., 5 dms., or more, works .... 100 lbs. 6.75 - 7.50
1-4 dms., works .. 100 lbs. 7.25 - 7.90
Silicofluoride, bbls works lb .07 .08
Sulphate, agricultural, 90-95% K_2SO_4, bulk, works, basis 90% .. ton. 34.50 - —
NF, cryst., dms ..... lb. .31 - .33
gran., dms ..... lb 18½ —
powder, dms ..... lb. .16 - .16½
Sulphocyanide, cryst., NF (see Potassium thiocyanate)
Thiocyanate, NF, cryst., dms .. lb. .75 .81
tech. works ..... lb 45 .50
Titanate, ctns., c.l., works .. lb 12 —
5 tons, works ..... lb. .12¼ —
1 ton or less, works ..... lb. .12½ .12¾
Potassium-magnesium sulphate, bulk, works, basis 40% K_2SO_4, 18% MgO .. ton. 15.20 - —
Potassium-sodium tartrate (see Rochelle salt)
Potassium-titanium fluoride, fib. dms., works lb. 45 .55
Potassium-titanium oxalate, bbls., kgs lb. 65 .70
Potassium-zirconium fluoride, fib. dms., c.l., works lb 50 —
l.c.l., works ..... lb. .52½ .55
Pregnenolone, bots ..... gm 2.50 - —
Acetate, bots ..... gm. 2.50 - —
Prickly ash bark, bls ..... lb 23 .25
Berries, bgs. ..... lb. .60 - .70
Prince's pine herb, bls ..... lb 45 .50
Procaine hydrochloride, USP, dms., contract 1,000 lbs. or more, works lb 3.75 4.50
spot ..... lb. 4.00 5.00
Progesterone, USP, 100 gms., bots gm. 4.50 - —
Propane, commercial grade, tanks, group 3 gal. .03 - —
Propionaldehyde, dms., c.l., works lb 28½ - —
l.c.l., works lb 29½ - —
tanks, works lb 25 —
Propyl aldehyde (see Propionaldehyde)
Parahydroxybenzoate, USP, dms. lb 2.30 2.40
Propylene dichloride, dms., c.l lb .08½ —
l.c.l lb .09½ —
smaller containers, l.c.l. ..... lb. .12½- —
tanks ..... lb .07 —
Propylene oxide, dms., c.l., frt. alld. E .. lb. .18½- —
l.c.l., frt. alld. E .... lb. .19½ —
tanks, frt. alld. E .... lb. .16½ —
Propyleneglycol, NF, dms., c.l., frt. alld., E .. lb. .19¼- —
l.c.l., same basis ..... lb. .20¼- —
tanks, same basis ..... lb. .17½- —
tech., dms., c.l., frt. alld. E .... lb. .18¼- —
l.c.l., same basis ..... lb. .19¼- —
tanks, same basis ..... lb. .16½- —
Methylether, dms., c.l., frt. equald. lb. .19¾- —
l.c.l., same basis ..... lb. .20¾- —
tanks, same basis ..... lb. .18¼- —
Propylthiouracil, bots, 50 kilos or more, kilo. 55.00 —
smaller lots ..... lb. 55 10 - 55 30
Psyllium seed, black, bgs ..... lb. .23 - .23½
blonde, bgs. ..... lb. .18 - .20
husks, bgs ..... lb. .65 .66
Pulsatilla herb, bls lb 45 .50
Pumice, dom., grd. coarse, 0½, 1, 1½, 2, 3 bgs., ton lots. lb. .03⅝- .04
smaller lots ..... lb. .03⅞- .04¼
Italian, silk-screen, coarse, bgs., ton lots lb. .05½- —
fine, bgs., ton lots ..... lb. .04 - —
sun dried, coarse, bgs., ton lots lb. .02½- —
fine, bgs., ton lots lb .02½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs lb .18 .26
Purple lake (see Red)
Pyrethrum concentrate, dewaxed, 20%: for aerosol bombs, dms., works lb 11.00 - 11.50
liquid (20 to 1), basis 2 grams pyrethrins, per 100cc., odorless base, dms., works gal 9.50 - —
regular base, dms., works gal 9.40 - —
Pyrethrum concentrate, liquid, (30 to 1 base, 3 grams, pyrethrins, per 100cc, odorless base, bbls., works gal. 14.15 - —
regular base, dms., works, gal. 14.05 - —
flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .42 .44
powder, 1.3% pyrethrins, bbls., works lb. .56 .65
Pyrethrin, synthetic (see Allethrin)
Pyridin, denaturing, dms., c.l., works, and frt. equald. gal. 2.47 - —
l.c.l., same basis ..... gal. 2.50 - —
ref., 2°, non-ret. dms., c.l., same basis lb. .89½- —
l.c.l., same basis ..... lb. .90 - —
Pyridoxine hydrochloride, 100-gram bots, gram. .55 - —
Pyrites, Spanish, c.i.f. Atlantic ports, long-ton 8.00 - —
Pyrocatechol (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l. mines ton. 11.00 - 11.50
230 mesh, bulk, c.l. mines ton. 12.00 - 12.50
325 mesh, bulk, c.l. mines ton. 15.00 —
No. 3, 200 mesh, bulk, c.l. mines, ton. 9.50 —
insecticide grade, 200 mesh, bgs., c.l., mines ton. 12.00 - 12.50
rubber grade, 140 mesh, bgs., c.l., mines ton. 10.00 - 10.50
Standard and No. 3 pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin, USP, bots ..... lb. 9.54 - —
Scrap, opaque, amber, cs., works, lb. .17 - —
black, cs., works ..... lb. .14 - —
gray, cs., works lb .13 - —
mixed, mottled, cs., works, lb. .12 - —
Pyroxylin scrap, white, china, ivory, cs., works .. lb. .17 - —
dense, cs., works .. lb. .16 - —
translucent, pastels, cs., works, lb. .17 - —
transparent, colorless, cs., works, lb. .19 - —
colors, cs., works ..... lb. .17 - —
shavings, opaque, amber, cs., works lb. .14 - —
mixed, colors, cs., works lb. .14 - —
white, cs., works ..... lb. .17 - —

Q

Quassia chips, bls ..... lb. .08 .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., lb. 14¾ .15
liq., 35% tannin, bbls., works, lb. .08 .08½
tanks, same basis lb. .07½ —
clarified, solid, 64% tannin, bgs., c.l., duty extra lb. .09 - —
powd., 70% tannin, bgs., c.l lb. 15½ —
ordinary, solid, 63% tannin, bgs., c.l., ex-dock, duty extra lb. .08 5/16 —
Quebracho extract prices are based on $20.40 freight and $3 insurance per long ton.
Queen of the meadow root, bgs lb. .18 - .20
Quercitron crystals, bbls., l.c.l lb 33½ —
Extract, liquid, bbls., l.c.l ... lb 14½ —
solid, bxs ..... lb. .28 —
Quicksilver, flasks (76 lbs.) net, flask. 96.00 - —
Quince seed, bgs ..... lb .90 1.50

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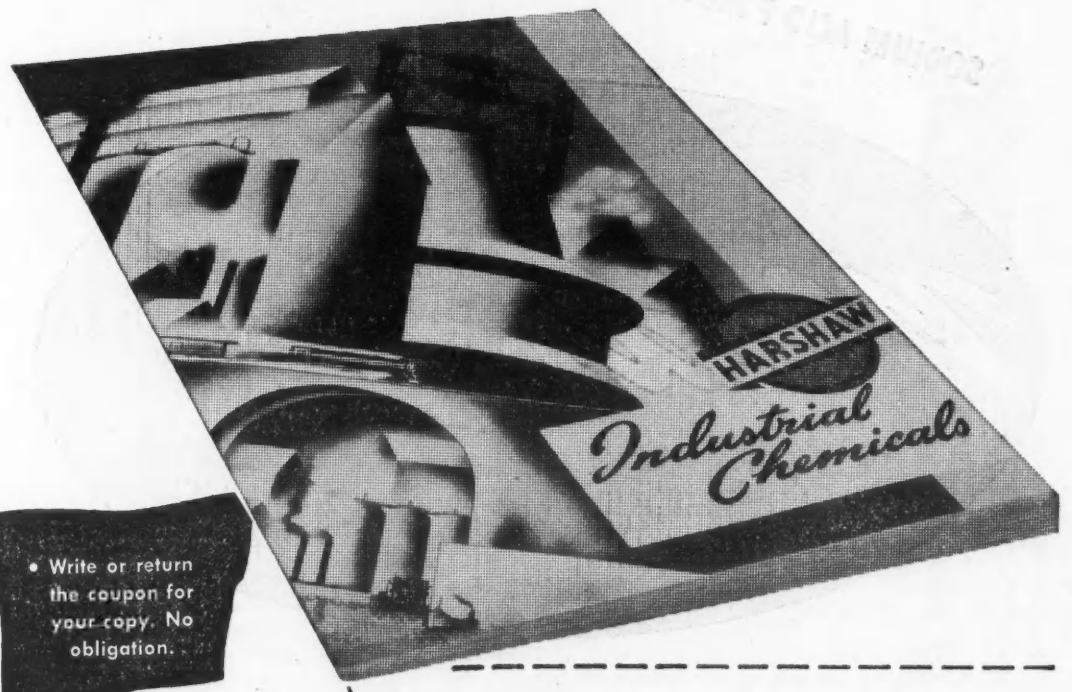

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Quinidine, NF V. cryst., cns .. oz. 1.90 - —
powd., precip., cns .... oz. 1.85 - —
Sulphate, USP, cns .... oz. 1.25 - —
Quinine, NF, cns., 100 ozs .... oz. .70 - —
Bisulphate, USP, cns., 10) ozs oz. .51 - —
Dihydrochloride, USP, cns .... oz. .70 - —
Ethylcarbonate, NF, cns. 100 ozs. oz. .75 - —
Hydrobromide, NF, cns. 50-oz. cns. oz. .63 - —
Hydrochloride, USP, cns., 100 ozs. oz. .63 - —
Phosphate, NF cns. 100 ozs oz. .76 - —
Salicylate, NF, ctns., 100 ozs oz. .66 - —
Sulphate, USP cns. 100 ozs oz. 56½- —
Quinine-urea hydrochloride, NF, cns .. oz. .68 - —
Quinolin, dms., c.l., frt. equald lb. .50¾- .51¼
l.c.l., same basis .... lb. .51¼- .51¾
tanks, same basis .... lb. .50 - —

R

R salt, paste, dry basis . dms., frt. alld lb. .83 - —
Raspberries, dried, bbls lb 1.60 - 1.70
Red, alizarin conc., bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St Paul, Minneapolis, Davenport, Rock Island, St. Louis .. lb. 2.60 - —

Prices ½c. per lb higher dlvd Ala Fla., Ga., La. (Shreveport, 1¼c.), Miss., N C., S C., Tenn., Tex. (Dallas, Ft Worth, 1¼c.), El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha St. Joseph 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd Denver Pueblo, Salt Lake City, Wichita

Red, cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 3.80 - —
light shade, bbls., same basis. lb. 3.65 - —
medium shade, bbls., same basis .. lb. 3.75 - —
medium light shade, bbls., same basis lb. 3.70 - —
orange shade, bbls., same basis lb. 3.30 - —
lithopone, deep shade, bbls., same basis .... lb. 1.50 - 1.55
light shade, bbls., same basis lb. 1.40 - —
maroon shade, bbls. same basis lb. 1.55 - 1.65
medium shade, bbls. same basis .. lb. 1.50 - —
medium-light shade bbls., same basis .. lb. 1.45 - —
orange-red shade, bbls., same basis .. lb. 1.25 - —

Red cadmium lithopone all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse Los Angeles and San Francisco

Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltars.
Eosin toner, bbls., works lb 1.40 —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N Y lb .11¼ 11¾
Iron oxide, synth., bgs .... lb. .11¾- .12
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa. Copley, O.; Easton, Pa.; E St. Louis lb. .05¼ .09¼

Red, iron oxide, synth., special, high color, all shades, bgs. lb. .60 - —
Lake C, toner alizarin, bbls., works lb. 1.05 - —
Lithol toner, bbls., works .... lb. .85 - —
Lithol-rubin toner, alizarin lake, bbls., works .. lb. 1.40 - —
Maroon, alizarin lake, 25%, kgs., works lb. .40 - .43
toner, bbls., works .... lb. 1.35 1.50
cadmium, deep, bbls., works .. lb. 1.20 - —
regular, bbls. works .... lb 1.10 —
Iron oxide, bgs., l.c.l., works lb .04 - —
MNPT toner, kgs., works lb 3.25 —
Maroons in smaller pkgs., 5c. per lb higher
Mercury oxide, tech., bbls., 10,000 lbs., works lb 2.00 - —
smaller lots, works .. lb 2.02 - —
Metallic, bbls., works .... lb. .02½- .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs. works lb. 06¾ .07
Para toner, bbls .... lb. .85 - .90
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine Y, kgs., works lb 4.45 —
Pink lake, alizarin, bbls., works lb .20 .25
Purple lake, kegs .... lb 1.35 —
Rose lake, alizarin, bbls., works lb .25 .28
Spanish oxide, grade 1, bbls., c.l., ex dock lb. 05½- .05¾
l.c.l., ex dock lb 05¾ 06
ex whse., New York lb 06½ —
grade 2, bbls., c.l. ex dock lb 05¼ 05½
l.c.l. ex dock .. lb 05½ 05¾
ex whse., New York lb 06¼ —
Toluidin toner (MNPT), kgs., works. lb. 1.35 - —

Red, Turkey, bbls., works .... lb. .14½- —
Tuscan, bbls., frt. equald .... lb. .24½ .25
Venetian, bbls., bgs., works .... lb. .0390 —
20% bgs., works .... lb. .0360 —
25% bgs. works .... lb. .0410 —
30% bgs. works .... lb .0440 —
35% bgs. works .... lb. .0465 —
40% bgs. works .... lb 0490 —
Vermilion, Amer., bbls .... .32 - —
Quicksilver, cns .... lb 2.27 —
Red KB base (see chloro(4)-2-toluidine).
Red Precipitate, NF, powd., fib. dms lb. 2.19 2.21
Red saunders wood, powd. bbls lb. .50 —
Rennin, NF .... lb. 6.50 —
Resorcinol, resin grade, dms., c.l., works lb. .71 - —
l.c.l., works .... lb 72 - —
tech., dms., c.l. works .... lb 74 - —
l.c.l. works .... lb 75 - —
USP, cryst., dms., works .... lb. 2.50 - —
powd dms works .... lb 2.70 - —
Monoacetate NF dms .... lb 3.25 3.45
Rhatany root, bgs .... lb. 15 .16
Rhodinol, 5-lb. cns .... lb. 42.00 -45.00
Rhubarb root, China, whole, cs. lb. .80 - .85
powd., bbls .... lb. .85 - .90
India, whole, bgs .... lb. .30 - .35
powdered, bbls .... lb. .35 - .40
Riboflavin USP, bots., dlvd. kilo. 125.00 —
Readily soluble, bots., dlvd. kilo. 125.00 —
Rice bran concentrate dms. Cedartown Ga lb 79 —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs. lb. .31 - —
smaller lots .... lb. .31½- .36½
Rose flowers, pale, bls .... lb. .40 - .45
Rosemary flowers, bls .... lb 1.55 1.65
Leaves, French, bls .... lb. .12 .12½
Portuguese, bls .... lb. .07 .07½
Spanish, bls .... lb. .07¼- .07½
Rosin gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 4.00 - —
FF, dms., c.l., works .... 100 lbs. 5.70 - —
G, H, I, dms., c.l., works 100 lbs. 7.00 - —
K, dms., c.l., works .... 100 lbs. 7.00 - —
M, dms., c.l., works .... 100 lbs. 7.00 - —
N, dms., c.l., works .... 100 lbs. 7.00 - —
WG, dms., c.l., works .... 100 lbs. 7.10 - —
WW, dms., c.l., works .... 100 lbs. 7.35 - —
X, dms., c.l., works .... 100 lbs. 7.45 - —
Rotenone CP bbls., works .. lb. 20.00 - —
tech., bbls., works .... lb. 16.50 - —
Rottenstone bgs. c.l. mines ton. 36.00 —
l.c.l. mines ton. 43.00 —
Rue herb bls lb 35 40
Rutin, 10 kilos, fib., dms .... gram. .02¼- .03¼
smaller lots, fib. dms .... gram. .02¾- .03¾
Ryania 100% powd., bgs., works lb .20 —

S

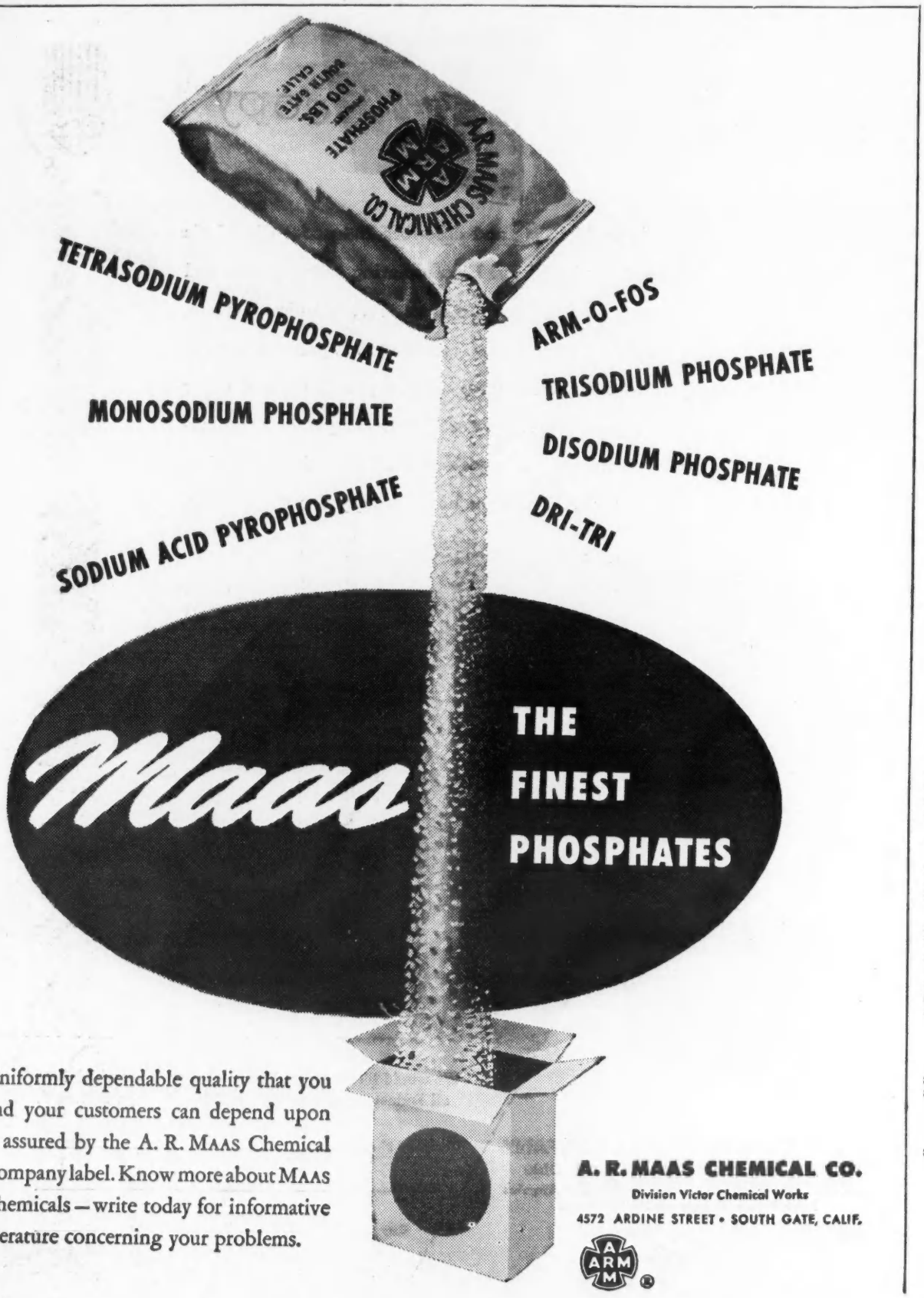
Sabadilla seed, powd., bbls .. lb. .70 - —
activated ground with lime, bbls lb 40 - —
Saccharin, USP, gran., soluble, dms., 1,000-lb. lots lb. 1.50 - —
smaller lots lb 1.60 1.70
powd. soluble insoluble, dms., 1,000-lb. lots lb 1.55 —
smaller lots .... lb. 1.65 1.85
Safflower, Egyptian, bls .... lb. .65 - .70
Saffron, Mexican, bls .... lb. 1.10 - 1.20
Spanish, USP, tins .... lb. 18.00 -18.50
Safrol, dms .... lb .85 1.10
Sage, Cyprus, bls .... lb. .12 - .13
Dalmatian, bls .... lb. 1.15 - 1.20
Greek, fancy, bls .... lb. No stocks.
Spanish, bls .... lb. .16 - .16½
Syrian, bls .... lb. .16 - .16½
Sago flour, bgs .... lb. .07½- .07¾
Sal soda (see Soda sal).
Saligenin, cns .... lb. 14.00 -25.00
Salol, NF gran. bbls., kgs lb 1.00 —
fib dms lb 1.02 1.03
powdered salol 10c higher
Salt, rock, burlap bgs., c.l., works. 100 lbs. 1.09 - —
l.c.l. .... 100 lbs. 1.30 - —
paper bgs., c.l. .... 100 lbs. .94 - —
l.c.l. .... 100 lbs. 1.15 - —
Table, vacuum, common, fine, bgs., c.l., works .. 100 lbs. 1.09 - —
l.c.l., works .... 100 lbs. 1.20 - —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton. 17.00 - —
Saltpeter, crvst. bbls., 10 tons. 100 lbs. 13.90 —
smaller lots .. 100 lbs 14.15 -14.40
gran., bbls., 20 tons .... 100 lbs. 9.25 —
smaller lots .... 100 lbs. 10.50 -11.00
powd., bbls 20 tons .... 100 lbs. 10.25 —
smaller lots .... 100 lbs. 11.50 -12.00
NF gran. dms lb 15¾ 17¾

Saltpeter in bags, 25c. per 100 lbs less than in barrels; in kegs $1 more

Sanda-wood chips, East Indies bgs., lb. .65 .66
powd., dms. lb. .75 76
Sanguinarine nitrate, bots oz. 4.75 5.50
Santonin NF cryst., powd. cns. kilo. No stocks.
Saponin No 1 cns lb 2.45 —
Sarsaparilla root, dom., bls .... lb. .30 .40
Honduras bls .... lb 40 45
Mexican, bls .... lb. .30 - .32
Sassafras bark ord., bls .... lb .35 40
select, bls .... lb. 50 .55
Savory, French, bls .... lb. .11 - .11½
Spanish, bls .... lb. .10 - .10½
Saw palmetto berries, bgs .... lb. .26 - .35
Scammony resin lump, cns .. lb 1.95 2.20
powd., cns. .... lb 2.05 2.30
Root, bgs lb 11 .14
Schaeffer's salt, bgs., frt. alld .... lb. .73 - —
Scopolamine hydrobromide, bots oz. 16.00 -17.00
Hydrochloride bots oz 84.00 —
Seidlitz mixture, bbls., 5,000 lbs .lb. .26¾- —
smaller lots .... lb. .27¼- —
dms., 100 lbs. or less .... lb. .28¼- .32½
Selenium, powd., dms., dlvd .... lb. 3.25 - —
Senega root, bls .... lb. 2.70 - 2.80
Senna leaf, Alex., half-leaf, bls lb .16 .18
sifting, bgs. .. lb .16 - .18
Tinnevelly, No. 1, bls .... lb. .22 - .24
No. 2, bls .... lb. .18 - .22
No. 3, bls .... lb. .15 - .17
powdered, bls., bxs .... lb. .20 - .24
Pods, bls .... lb 12 15
Serpentaria root, bls .... lb. 3.25 Nom.
Sesame seed, Chinese, white, natural, bgs lb. .18 - .18½
hulled, bgs .... lb. .15 - .15½
Nicaragua, hulled, bgs .... lb. .22 - .25
natural, bgs .... lb. .18½- .19
Salvadorean, bgs .... lb. .13 Nom.
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .51½- —
bbls., 1,500-lb. lots .... lb. .52 - —
kgs., 1,500-lb. lots .... lb. .54 - —
refined, bgs., 1,500-lb. lots .. lb. .61½- —
bbls., 1,500-lb. lots .... lb. .62 - —
kgs., 1,500-lb. lots .... lb. .64 - —

Bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.

Lemon, No. 1, bgs .... lb. .49 - .50
No. 2, bgs .... lb. .47 - .48
Superfine, bgs., 10 bgs .... lb. .45 - .46
TN, bgs., 10 bgs .... lb. .43 - .44
Shellac in 4 to 9 bgs., 1c more



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A. R. MAAS CHEMICAL CO.
Division Victor Chemical Works
4572 ARDINE STREET • SOUTH GATE, CALIF.

Silica, amorph., dry-grd., 325 mesh,
bgs., c.l., ill. works..ton 20.00 -30.00
l.c.l., works.....ton 25.00 -40.00
hard-quartz, 99½%, 325 mesh,
bgs., c.l., works..ton 20.00 - —
l.c.l., works.....ton 25.00 - —
140 mesh, bgs., c.l., works..
ton 12.00 - —
l.c.l., works.....ton 17.00 - —
Tetrachloride, tech., dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .18½- .20½
Silver bullion, ingots, cs ..... oz. .72¾- —
Cyanide, 6b. dms., 2,500-oz. lots. oz. .66¾- —
1,000-oz. lots..... oz. .66¾- —
500-oz. lots..... oz. .66¾- —
100-oz. lots..... oz. .67½- —
Nitrate, CP. cryst., bots., 2,500-oz. lots oz. .46½- —
1,000-oz. lots..... oz. .47¾- —
500-oz. lots..... oz. .48½- —
250-oz. lots..... oz. .48¾- —
USP granular silver nitrate 4c. per oz higher
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .95 - —
strong, NF, bots., dms., 1,000-oz. lots oz. .90 - —
Simaruba bark, bls..... lb. .85 Nom.
Skullcap herb, Eastern, bls.....lb. .60 - .65
Western, bls.....lb. .30 - .35
Skunk cabbage root, bls.....lb. .30 - .35
Slate flour, bgs., c.l., works....ton 11.00 -12.00
l.c.l., ex whse.....ton 20.00 -60.00
Sloe berries, bgs.....lb. .18 - .30
Smalt, black, ctns.....lb. .11½- —
Blue, ctns.....lb. .15½- —
Snakeroot, Canada, bls.....lb. .80 - .90
Soapbark, bls.....lb. .24 - .27
crushed, bls., bbls.....lb. .29 - .35
powd., bbls.....lb. .30 - .35
Soda ash, dense, 58%, paper bgs., c.l., works..100 lbs. 1.60 - —
l.c.l., stock points....100 lbs. 2.85 - 4.82
bbls., c.l., works.....100 lbs. 2.15 - —
l.c.l., stock points....100 lbs. 3.35 - 4.12
bulk, c.l., works.....100 lbs. 1.30 - —
light, 58%, paper bgs., c.l., works..100 lbs. 1.50 - —
l.c.l., stock points....100 lbs. 2.75 - 4.52
bbls., c.l., works.....100 lbs. 2.05 - —
l.c.l., stock points....100 lbs. 3.25 - 5.02
bulk, c.l., works.....100 lbs. 1.20 - —
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 3.75 - —
l.c.l., stock points....100 lbs. 4.95 - 6.77
liquid, 50%, sellers' tanks, works, dry basis..100 lbs. 2.55 - —
rayon-type, tanks, works, dry basis..100 lbs. 2.65 - —
70%, sellers' tanks, works, dry basis..100 lbs. 2.65 - —
rayon-type, tanks, works, dry basis..100 lbs. 2.75 - —
solid, 76%, dms., c.l., works..100 lbs. 3.35 - —
l.c.l., stock points....100 lbs. 4.55 - 5.05
Sal, bgs., c.l., works.....100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.70 - —
Soda-lime, USP, dms..... lb. .23 - .25
Sodium acetate, anhyd., dms., works. lb. .10½- .12
NF, powder, bbls., works.... lb. .08½- .09½
Alginate refined, water soluble, bbls., works lb. .79 - —
semi-refined bbls., works lb. .46 - —
NF, white, powd., dms., works, ton lots lb. 1.25 - —
Aluminate, 20,000 lbs. or more, bgs..100 lbs. 8.50 - —
smaller lots.....100 lbs. 9.50 - —
Antimoniate, bbls., c.l., dlvd. E. lb. .27½- —
l.c.l., dlvd.....lb. .28½- —
Arsenate, dealers, dms., c.l., works. lb. .12 —
Arsenite, dealers, dms., works lb. No stocks.
solution, dms., works gal. .60 1.00
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .39 - —
USP, bbls., dms., 100 lbs. or more..lb. .46 - —
smaller lots.....lb. 1.30 - 1.65
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 3.15 - —
powd., bgs., c.l., works 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.75 - —
Bichromate, bgs., c.l., works....lb. .10½- —
l.c.l., same basis.....lb. .10¾- .11½
Sodium bichromate, in drums, ¾c. higher.
Bifluoride, bbls., c.l., works, frt. equald..lb. .13½- —
l.c.l., same basis.....lb. .14½- —
Bisulphate, bulk, c.l., works..100 lbs. 2.00 - —
dms., c.l., works.....100 lbs. 2.65 - —
l.c.l., works.....100 lbs. 3.15 - —
Bisulphite, powd., bgs., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
solut. 33° bbls., c.l., works..100 lbs. 1.10 - —
l.c.l. works.....100 lbs 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works. lb. .34 - .35
Cacodylate, NF, jars, dms.... lb. 7.00 - 8.00
Carbonate, anhydrous (see Soda ash), crystalline, monohydrated, bgs., c.l., works..100 lbs. 2.65 - —
l.c.l., works.....100 lbs. 3.05 - —
Chlorate, cryst., dms., c.l., works lb. .08 - —
l.c.l., works.....lb. .08¼- —
powd., kgs., works.....lb. .09½- —
Chloride, tech. (see Salt).
USP, dms.....lb. .21 - —
Chlorite, tech. dms., works..lb. .75 - —
Chloroacetate, tech., dms., c.l., works lb. .20 - —
l.c.l. dms. works.. lb. .21 - .22
Chromate, dms., c.l., works...lb. .12¼- —
l.c.l., same basis.....lb. .12½- .13¼
Citrate, anhyd., dms.....lb. .60 - .65
USP VIII, anhyd., dms.....lb. .23 - .28
USP XIII, gran., dms.....lb. .28 - .32
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., 1,000 lbs., works. lb. 1.10 - —
smaller lots, works..... lb. 1.25 - —
Cyanide, 96-98%, dms.....lb. .17 - .19
Diacetate, 33-35% acidity, bbls., works..lb. .12 - .13½
anhydrous, dms., works.. lb. .14 - .15½
Fluoride, white, 90%, bbls., c.l., works..lb. .10¾- —
l.c.l., works.....lb. .11 - .11¼
95%, bbls., c.l., works.... lb .10¾- —
l.c.l. works ..... lb .11 - —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works lb. 12.00 - —
2 to 25 tins to case, works lb. 12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb. 16.50 -21.00
tribasic, ton lots.....lb. 11.00 - —
Formate, bgs. c.l., dlvd....100 lbs. 7.10 - —
l.c.l. .....100 lbs 8.15 - —
Gluconate, dms..... lb .83 .85
Glutamate, monobasic, dms., c.l., dlvd..lb. 1.60 - —
smaller quantities, dlvd.....lb. 1.63 - —

Sodium glycerophosphate, NF, cryst., bbls..lb. 1.80 - 1.95
powder, bbls.....lb. 1.85 - 2.00
solution, 75%, cbys.....lb. 1.06 - 1.11
Hydride, dms., works .....lb. 2.00 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .22 - .23¼
l.c.l., frt. alld.....lb. .22½- .24
Hydroxide, tech. (see Soda, caustic).
USP pellets, dms lb. .23 —
Hypophosphite, NF, ton lots or less, dms lb. .85 - .88
Hyposulphite, photographic, bgs., 5,000-lb. lots, Metro. area.. 100 lbs. 4.10 - —
tech., cryst., bgs., c.l., works, frt. equald 100 lbs. 3.75 - —
l.c.l., same basis 100 lbs. 4.10 — —
pea, bgs. 100 lbs. 3.90 4.85
gran., bgs., c.l., works.. 100 lbs. 4.00 —
Sodium, hyposulphite, crystals in bbls., 50c. higher.
Us. e Sodium thiosulphate).
Iodide, USP, bots., dms lb. 2.47 2.59
Lactate, edible, 50%, dms., cbys., works lb. .19 - —
60%, dms., cbys., works lb. .24 - —
tech., 50%, dms., cbys., works. lb. .13 .14
Metaborate, octa-hydrate, gran., bgs., c.l., works..ton 73.00 - —
l.c.l., works ..... ton 118.00 -123.00
tetrahydrate c.l. bbls., works ton 184.50 —
Sodium metaborate in bbls. $20 per ton higher.
Metal, tanks, works.....lb. .16 - —
bricks, dms. works.....lb. .17 .18
Metanilate, bbls., frt. alld.....lb. .57 - —

Sodium metasilicate, anhyd., bgs., c.l., works..100 lbs. 4.60 - —
l.c.l., works.....100 lbs. 6.10 - —
dms., c.l......100 lbs. 4.85 - —
l.c.l. .....100 lbs. 6.35 - —
pentahydrate bgs. c.l. works frt. equald..100 lbs. 3.75 - —
l.c.l., bgs., works..100 lbs. 4.15 - 4.65
dms., c.l., works....100 lbs. 4.15 - —
bbls., l.c.l., works....100 lbs. 4.55 - —
Molybdate, anhyd., bbls., works.lb. .60 - —
Monohydrate (see Sodium carbonate monohydrated).
Napthionate, bbls..... lb. .66 - —
Nitrate, crude, dom., bgs., c.l., works..ton. 48.50 - —
bulk c.l., works ib 45 00 —
imp. 100-lb. bgs. c.l. Atl Gulf, Pac whse ton. 51.50 —
bulk, c.l. same basis ton. 48.00 —
Nitrite, 99½% bbls., c.l., works, frt. equald lb. .07¼- —
l.c.l., same basis lb. .08¾- —
USP dms lb 21 —
Orthostillcate, anhyd., dms., c.l. works..100 lbs. 6.00 - —
l.c.l., works.....100 lbs. 7.60 - —
hydrated flake bbls. c.l. works. 100 lbs. 4.25 —
l.c.l. works 100 lbs 5 50 5 75
Oxalate, neut., bgs., works....lb. .09½- —
Para-aminobenzoate, dms., 1,000 lbs or more lb 3.50 —
smaller lots lb 3.65 —
Para-aminosalicylate, dms., 1,000-lb. lots..lb. 5.75 - 7.50
smaller lots.....lb. 5.80 - 7.80

Silica—Sodium Phosphate

Sodium pentachlorophenate, briquets, bgs., c.l., works, frt. equald..lb. .21½- —
l.c.l., same basis lb 22½ .24½
pellets, bgs. c.l. same basis lb .21 —
l.c.l., same basis lb 22 .24
powd., bgs., c.l. same basis lb. .20 —
l.c.l. same basis lb. 21 .23
Truckloads of pentachlorophenate of 20,000 lbs min available at ¼c per lb over carlot prices.
Perborate, USP, tech., bbls., c.l., works lb. .19¾- —
l.c.l., works ..... lb. .20¾- .21¾
Peroxide, dms., c.l., dlvd. E. of Miss lb. .19 - —
l.c.l., same basis..... lb. .19½- .20
Phenolsulphonate, USP (X, gran., dms lb. .38 .39
powd., dms..... lb. .41 - .42
Phosphate, dibasic, anhydr., bgs. c.l., works..100 lbs. 6.90 - —
l.c.l., works.....100 lbs. 7.30 - —
cryst. bgs. c.l. works 100 lbs 4.00 - —
l.c.l., works 100 lbs 4.40 - —
USP, dried, powd. bgs., dms. works lb. .19 .20½
monobasic, anhyd., bgs., c.l., works 100 lbs. 7.80 - —
l.c.l., works 100 lbs. 8.20 - —
tribasic, cryst., bgs., c.l., works, frt equald..100 lbs. 3.90 - —
l.c.l., same basis 100 lbs. 4.30 - —
Sodium phosphates in bbls., 40c. higher than bgs.
USP (see Sodium phosphate dibasic)

When You Specify
SOLVAY Products
for Glass...
... you get the ultimate in quality—the kind of quality you would expect from America's leading producer of alkalies. But in addition, you get the fast, dependable delivery service which can only come from a company having more than one plant . . . and over 200 local stock points from coast to coast. You also get Solvay's exclusive Technical Service . . . men specially trained in the glass industry.
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ALLIED CHEMICAL & DYE CORPORATION
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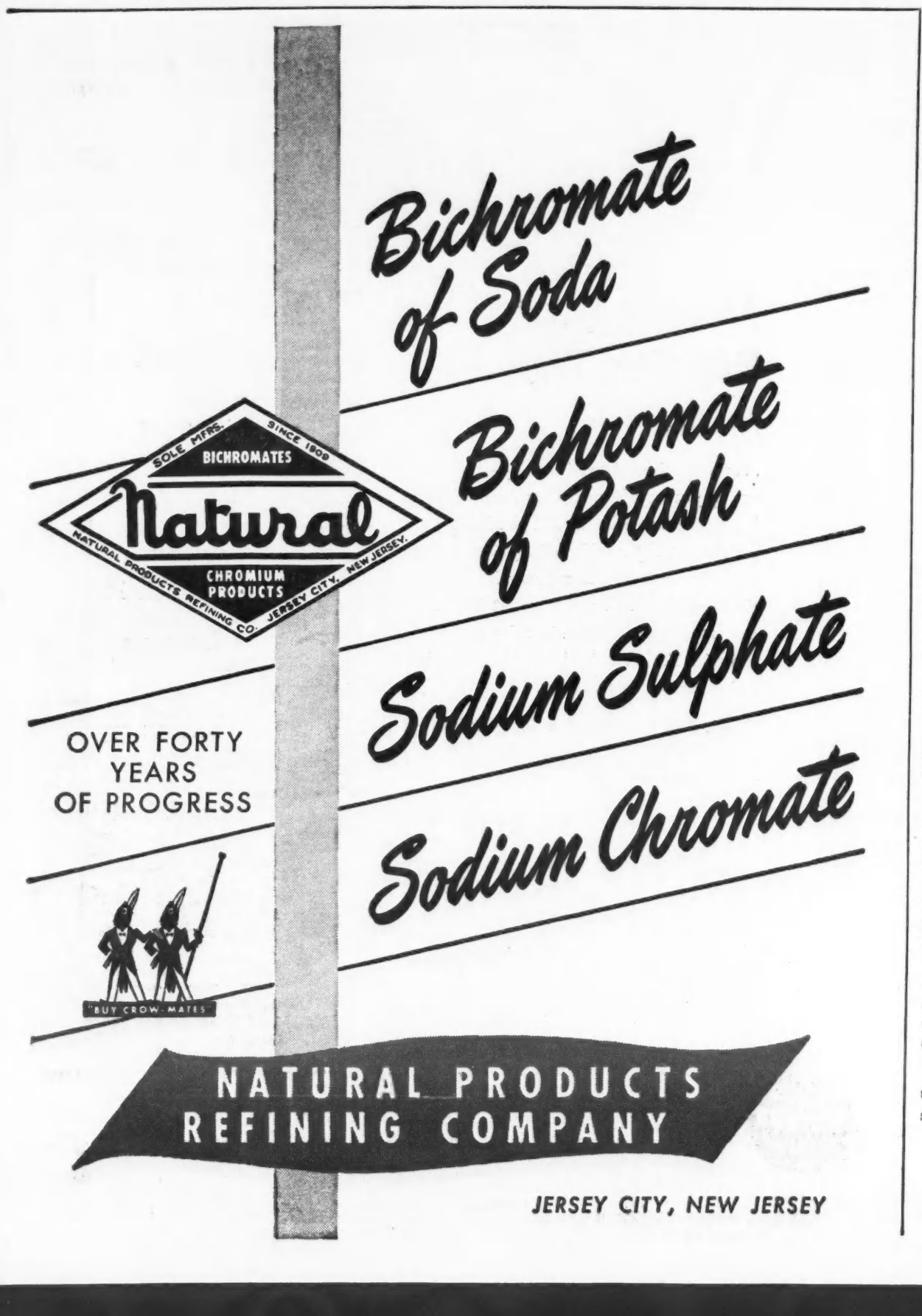
SOLVAY
PRODUCTS for the Glass Industry
SODA ASH
POTASSIUM CARBONATE
Calcined and Hydrated
AMMONIUM BICARBONATE
SODIUM NITRITE
Soda Ash • Caustic Soda • Caustic Potash • Chlorine • Potassium Carbonate • Calcium Chloride • Sodium Bicarbonate • Specialty Cleansers • Sodium Nitrite
Nytron • Ammonium Bicarbonate • Para-dichlorobenzene • Ortho-dichlorobenzene • Monochlorobenzene • Methanol • Ammonium Chloride • Formaldehyde

Sodium Prussiate—Sulphur, Refined

Iodium prussiate, yellow, bgs. lb. .12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs. 10.50 - —
ferric, dms., 1,500 lbs., works, lb. .30 - —
smaller lots, works lb. 31 —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 7.05 - —
l.c.l., frt. equald 100 lbs. 7.35 - —
Salicylate, USP, dms lb. .61 - .63
Sesquicarbonate, bgs., c.l., works 100 lbs. 2.10 - —
l.c.l., dlvd. zone 1 100 lbs. 3.85 - 4.25
zone 2 100 lbs. 4.11 - 4.51
zone 3 100 lbs. 4.40 - 4.70
zone 4 100 lbs. 5.11 - 5.50

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H. and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

bbls., c.l., works 100 lbs. 2.45 —
Sesquisilicate, anhy., dms., c.l., works 100 lbs. 5.50 - —
l.c.l., works 100 lbs. 7.00 - —
Sodium silicate, liquid, 40°, turbid, dms., c.l., works 100 lbs. 1.20 - —
l.c.l., works 100 lbs. 1.55 - 1.95
tanks, works ton. 19.00 - —
42°, turbid., dms., c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.40 - —
tanks, works ton. 37.00 - —
solid, bgs., works ton. 55.00 - —
Silicofluoride bbls., c.l., works lb 04½- —
l.c.l., works lb. .049 - —
Stannate dms., works, frt. alld E. lb. .614 - .668
Stearate, USP, anhyd., bbls., works lb. .51 .56
Sulphanilate, bbls., works lb. .22 —
Sulphate, NF VII, dried, gran., dms lb. .14½- .16½
tech., anhyd., bgs., c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.35 2.60
cryst. (see Glauber's salt)
USP, cryst., bbls lb .17 .19
gran., bbls. lb .17 .17½
Sulphide, flake, bbls., c.l., works, frt. equald 100 lbs. 4.50 - 5.00
l.c.l., same basis 100 lbs. 5.25 - 5.75
fused, bbls., c.l., works, frt. equald 100 lbs. 4.00 - 4.50
l.c.l., same basis 100 lbs. 4.50 - 5.00
Sulphite, anhyd., by-product, powd., bgs., c.l. frt. equald 100 lbs. 2.50 2.75
l.c.l., same basis 100 lbs. 3.25 3.75
regular, powd., bbls., c.l., works 100 lbs. 6.75 - —
l.c.l., same basis 100 lbs. 7.25 - —
Sodium sulphite, regular, crystals, bgs., c.l., works 100 lbs. 4.10 - —
l.c.l., works 100 lbs. 4.50 - 4.75
bbls., c.l., works 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 4.90 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate bbls. lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., works, c.l. lb. .05¾- —
t.c.l., works lb. .06¼- —
liquid, 45% basis 100%, tanks, works ton. 90.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works lb. .03 - —
t.c.l., works lb. .03¼- —
Thiocyanate, CP, dms. lb. .55 .65
tech., dms., works lb. .30 —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls lb. .10 .12
Titanate, ctns., c.l., works lb. .10 - —
5 tons, works lb. .10¼- —
1 ton or less, works lb. .10½- .11
Trichloroacetate, dms. lb. .46 - .55
Tripolyphosphate, bgs., c.l., works, frt. equald 100 lbs. 7.55 - —
l.c.l., same basis 100 lbs. 7.95 - —
Tungstate, tech., kgs., dlvd., East lb. 1.50 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium carboxymethylcellulose—See CMC.
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, c.l., dms., dlvd. lb. .23 - —
l.c.l., same basis lb. .23½- —
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½- —
t.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less 1,000 lbs. same basis lb. .30 - —



Solvent naphtha, coaltar, tanks, works gal. .28 - .31
high-flash, tanks, works gal. .28 - .31
petroleum, 100° F., flash, tanks, Baytown, Tex. gal. .28 - —
Bayonne gal. .32 - —
150° F. dash tanks same basis-gal. .28 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .31 - .32
10,000 to 20,000 lbs., works lb. .33 - .34
smaller lots, works lb. .36 - .39
tristearate, fib. dms., 20,000 lbs. works lb. .31 - —
10,000 to 20,000 lbs., works lb. .33 - —
smaller lots, works lb. .36 - .38
Sorbitol, cryst., bottles dms., c.l., works lb. .30 - —
ton lots to 5 tons, works lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .38 .39
solution, commercial, aqueous, dms., c.l., works lb. .24¼- —
ton lots, works lb. .25¼- —
less ton lots, works lb. .26 - —
tanks, works lb. .23½- —
regular, 70% aqueous, dms., c.l., works lb. .16¼- —
ton lots, works lb. .17 - —
less ton lots, works lb. .17½- —
tanks, works lb. 15½- —
Soybean meal, 41% bulk, Decatur, ton. 51.50 - 52.00
50%, same basis ton. 59.75 - —
protein, chemically isolated, 40,000 lbs., dlvd lb. .24 - —
20,000 lbs., same basis lb. .24¼- —
smaller lots, same basis lb. .24½- .28
mechanically refined, bgs. 40,000 lbs., same basis lb. .0600- —
20,000 lbs., same basis lb. .0615- —
smaller lots, same basis lb. .0630- —
Sparteine sulphate, cns oz. .85 1.25
Spearmint leaves, bls lb. .60 - .65
Spikenard root, bls lb. .36 .40
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works, lb. .03¼- —
Squaw vine leaves, bls lb. .30 - .35
Squill, red, fortified, powd., bbls., boxes lb. 1.60 - —
White, bls. lb. .11 .13
powd., bbls., bxs lb. .16 .18
St. Ignatius beans, bgs lb. No stocks.
St. John's bread, edible, bls lb. .13 .18
Stainless steel, flake, dry, dms., works lb. 1.50 —
paste, dms., works lb. 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root)
Stargrass root (see Aletris root)
Starch, corn, pearl, paper, bgs., c.l., 100 lbs. 5.97 - —
Chicago 100 lbs. 5.32 - —
l.c.l. 100 lbs. 6.12 - —
powd., paper, bgs., c.l. 100 lbs. 6.08 - —
Chicago 100 lbs. 5.43 - —
l.c.l. 100 lbs. 6.23 - —
Prices for corn starch in cotton bags, 12c. to 15c. per 100 lbs. higher
Potato, Idaho, bgs., c.l., works lb. .05 - —
Maine, bgs., c.l., works lb. .05 - —
l.c.l., spot lb. .07½- .07¾
Rice, bgs. lb. .10¾- .11
Sweetpotato, bgs., c.l. lb. No stocks.
Wheat, bgs. lb. .0660- .0710
Stavesacre seed, bbls lb. .60 .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls lb. .35 .38
Stoneroot, bls lb. .07½- .08
Storax, USP, cs lb. 1.50 1.60
Stramonium leaves, bgs. lb. .22 - .24
Seed, bgs lb. .20 .21
Streptomycin, hospitals, vials gram. .60 - —
wholesalers, vials gram. .48 - —
Strontium bromide, NF, cns., dms., lb. .67 - —
Carbonate, 90% dms lb. .15½- .16¼
Chloride, tech., bbls lb. .22 - .24
Chromate, bbls., works lb. .50 —
Iodide, jars, 25 lbs lb. 3.60 —
Nitrate, bbls., c.l. works lb 09¼- —
l.c.l. works lb. 10¼- —
Oxalate, bbls., works lb 42 .44
Salicylate, NF, dms lb. 1.65 - —
Sulphate, air-floated, 99% 325 mesh, bgs., works ton. 56.70 - 66.15
Strontium-calcium sulphide phosphorescent, dms., works lb 4.50 2.85
Strophanthin, NF, bots oz. 39.00 - —
Strophanthus seed, Kombe, bgs lb 3.00 - 3.25
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate, USP, powd., cns., 100 ozs oz. 1.00 - —
Styrene, monomer, dms., c.l., works lb. .19¼- —
l.c.l., works lb. .20¼- —
tanks, works lb. .18 - —
Styrolyl acetate, bots lb 2.50 3.10
Sucrose octa-acetate, benat., bbls., l.c.l., works lb. .60 - —
tech., bbls., c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring)
Sugar of milk (see Milk sugar)
Sulphabenzamide, dms lb 4.25 - 4.60
Sulphabenzamide-sodium, dms lb 4.25 - 4.60
Sulphadiazin, USP, crystals, free flowing, dms lb. 11.25 - 11.75
microcrystals, 99%, not over 10 microns, dms lb. 10.50 - 11.00
powder lb. 10.25 - 10.75
Sulphadiazin-sodium, USP, granules, free flowing, dms lb. 12.25 - 12.75
powder lb. 11.25 - 11.75
Sulphaguanidin, USP, dms lb 4.50 - 5.00
Sulphamerazin, USP, micro crystals, 99.9% not over 10 microns, dms lb. 10.55 - 11.05
powder, dms lb. 10.25 - 10.75
Sulphamerazin-sodium, USP, dms., lb. 11.25 - 11.75
Sulphamethazine, micro crystals, dms lb. 8.80 - 9.30
powder, dms lb. 8.50 - 9.00
Sulphanilamide, USP, crystals, free flowing, dms lb. 1.40 - 1.60
microcrystals, dms. lb. 1.55 - 1.75
powder, dms lb. 1.30 - 1.50
Sulphanilamidoquinoxaline, veterinary, dms lb. 8.05 - 8.25
Sulphapyridin, NF, powd., bots., tins, lb. 7.00 - 7.50
Sulphapyridin-sodium, powd., bots., dms lb. 7.50 - 8.00
Sulphathiazole, USP, crystals, free flowing, dms lb. 4.00 - 4.50
micro crystals, 99.9% not over 10 microns, dms lb. 3.75 - 4.05
powder, dms. lb. 3.50 - 3.80
Sulphathiazole-sodium, USP, dms., lb. 3.50 - 3.80
Sulphur, commercial, flour, bgs., mines 100 lbs. 1.65 - —
bbls., mines 100 lbs. 2.30 - —
lump, bgs., mines 100 lbs. 1.50 - —
bbls., mines 100 lbs. 1.80 - —
crude, bulk, c.l., mines, contract long ton. 22.00 - —
f.o.b. vessels, Gulf ports, export long ton. 25.00 - —
domestic and Canada long ton. 23.50 - —
refined, flowers, USP, bgs., mines, 100 lbs. 3.50 - —
bbls. 100 lbs. 4.65 - —

Sulphur, refined, flour, light, bgs., mines..100 lbs. 3.15 - —
bbls., mines..100 lbs. 4.05 - —
precipitated, USP, imported, bbls lb. .20 - .34
lump, bgs., mines..100 lbs. 2.70 - —
roll, bgs., mines..100 lbs. 3.15 - —
bbls., mines..100 lbs. 3.60 - —
salt block, bgs., mines..100 lbs. 2.90 - —
virgin block, bbls., mines.. 100 lbs. 2.85 - —
rubbermakers, com'l, regular, bgs., mines..100 lbs. 1.95 - —
bbls., mines..100 lbs. 3.10 - —
98-100% passing through 323 mesh, bgs., mines..100 lbs. 2.05 - —
bbls., mines..100 lbs. 3.20 - —
refined, bgs., mines..100 lbs. 2.55 - —
bbls., mines..100 lbs. 3.60 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.35 - —
bbls., mines..100 lbs. 3.60 - —
10% pine tar treated, bgs., mines..100 lbs. 3.55 - —
washed, NF, bot..lb. .31 - —
Sulphur chloride, mono, 55-gal. dms., c.l., frt. equald lb. .03¼ - —
t.c.l., same oasis lb. 04¼ - —
tanks, same basis lb. 03 - —
Dioxide liquid, com'l, cyls., works lb. 09 - —
multi-unit cars, works lb. 0535 - —
tanks, works lb 045 - —
refrigeration, cyls., l.c.l., dlvd lb. .20 - .36
Sumac bark, 28%, grd., bgs., ex-dock..ton.65.00 Nom.
Extract, No. 1, bbls., 25%..lb. .12½ - —
No. 2, bbls., 25%..lb. .11 - —
crystals, bbls..lb. .44 - —
stainless, bbls..lb. .14 - —
Leaf, 28% grd., bgs., ex-dock, ton.67.00 Nom.
Superphosphate, run-of-pile, under 22% a.p.a. pulv., bulk, Balto..unit-ton. .76 - —
Carteret, N. J....unit-ton. .70 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla.unit-ton. .80 - —

Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, imported, bls..lb. .90 - 1.00

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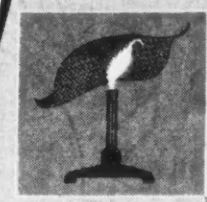
Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton 25.00 - 35.00
Vermont, bgs., c.l., works ton 14.00 - —
l.c.l., works ton 17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton 24.00 - —
l.c.l. ton 26.50 - 28.00
98.5-99.5%, 325 mesh, bgs., c.l., works ton 25.00 - 28.00
l.c.l., works ton 25.00 - 32.00
imp., Canada grd., bgs., c.l., mines ton 12.50 - 35.00
Tallow, edible, dms., c.l..lb. .16½ Nom.
inedible, extra, loose, c.l., dlvd. lb. .12 - —
fancy, loose, c.l., dlvd..lb. .12¼ - —
special, loose, c.l., dlvd..lb. .11¼ - —
sulphonated, 25%, dms..lb. .09 - .09½
50%, dms..lb. .11½ - .12
Tamarind, W. I. bbls..lb. .10 - .15
kegs..keg 10.00 - —
Tankage, animal feeding, 9-11% ammon., bulk..unit-ton. 8.00 - —
Chicago..unit-ton. 8.50 - —
Tansy leaves, bls..lb. .28 - .30
Tapioca flour, high grade, bgs..lb. .07½ - .07¾
medium grades, bgs..lb. .07 - .07¼
low grades, bgs..lb. .06¼ - .06¾
Java, bgs..lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .43½ - —
l.c.l., same basis..gal. .46½ - —
tanks, same basis..gal. .35½ - —
23-28%, dms., c.l., same basis, gal. .50½ - —
l.c.l., same basis..gal. .53½ - —
tanks, same basis..gal. .42½ - —
50-53%, dms., c.l., same basis, gal. .68 - —
l.c.l., same basis..gal. .71 - —
tanks, same basis..gal. .60 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs. c.l. ex dock U. S. ports long ton. No prices.
powd., bgs., c.l. same basis long ton.225.00 Nom.
Tarragon herb, bgs..lb. .45 - .50
Leaves, bgs..lb. 75 - .80
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .49 - —
dms..lb. .50 - .54
USP, powd., bbls., dms., kgs lb. .52 - .53
Terpin hydrate, com'l, bbls., c.l lb. 24½ - —
l.c.l. lb 25 - .25½
NF, cryst., bbls., dms..lb. 75 - —
powd., bbls., dms..lb. 80 - —
Terpineol, Alpha (see A), com'l, dms., c.l., South..lb. 13½ - —
l.c.l., South..lb. 14 - —
tanks, South..lb. 13 - —
prime, dms..lb. 33 - .60
Terpinglycol ether, dms., c.l., works. lb. .19½ - —
l.c.l., works..lb. .20 - —
tanks, works..lb. .19 - —
Terpinyl acetate, extra, cns., dms lb. .60½ - .70½
prime, dms..lb. .39 - .50
Terra alba (see Gypsum).
Testosterone, USP, 100 gms., bots. gm. 3.75 - —
Propionate, USP, 100 gms., bots., gm. 3.75 - —
Tetrachloroethane, dms., works lb. .08 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½ - .21½
smaller dms., works..lb. .23½ - .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works. lb. .70 - —
Pyrophosphate, 40% cns., dms., works lb. .80 - —
Tetraethylenepentamine, dms., c.l., works lb. .51½ - —
l.c.l., works..lb 52 - —
tanks..lb. 50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd..lb 12.50 - 15.00
sulphate, 99% bots., dlvd ... lb 10.50 - 13.00
Theobromine, 6b. dms..lb. 5.25 - 5.32
Salicylate, 6b. dms..lb. 4.40 - 4.45
with sodium acetate, USP, dms. lb. 4.05 - 4.10
Sodio-salicylate, 6b. dms..lb. 3.30 - 3.35
Theophylline, anhyd., or USP 100 lb. dms..lb. 5.50 - 6.00
Thiamine hydrochloride, USP, bots., 100 grams kilo 160.00 - —
Mononitrate, bots., 100 grams kilo.160.00 - —
Thiocarbanilide, dms..lb 40 - .42
Thiodiphenylamine (see Phenothiazine)
Thiouracil dms works lb 5.50 - 5.60
Thiourea, tech., dms., c.l., works lb. .44 - —
l.c.l., works..lb. .46 - —
Thorium nitrate cs. works lb 3.50 - —
Threonine, dextro - laevo, bots., 100 grams.115.00 - —
Thyme, French, bgs..lb. .13½ - .16
Spanish, bls..lb. .08½ - .09
Thymol, kgs..lb 3.50 - —
Iodide, NF, dms..lb 6.60 - 6.70
Timbo root (see Cube root).
Tin chloride stannous, anhyd., dms., works lb. .924 - .934
Crystals, hydrous, bgs., bbls., works lb. .75½ - —
Metal..lb. 1.11½ - —
Oxide, bbls..lb. 1.12½ - —
Sulphate, stannous, bbls..lb. 1.03 - —
Tetrachloride, anhyd., dms., works lb. .65 - —
Titanium dioxide, anatase ceramic, bgs. c.l., dlvd lb 19½ - —
t.c.l. dlvd lb 20 - 20½
chalk resistant, bgs., c.l., dlvd.lb. .19½ - —
t.c.l. dlvd lb 20 - 20½
plain, bgs., c.l. dlvd lb 19½ - —
t.c.l. dlvd lb 20 - 20½
rutile, natural granular, bgs., c.l. works lb 05 - —
5-ton lots works lb 05¼ - —
milled, ogs., c.l. work lb 05¼ - —
5-ton lots works lb 05½ - —
nonchalking bgs. c.l. dlvd £ lb 21½ - —
t.c.l. dlvd £ lb 22 - 22½
Hydride, cns. works lb 7.00 - 8.00
Pigment, calcium-rutile, base, bgs., c.l. dlvd lb 07½ - 07¾
t.c.l. dlvd lb .08 - 08¼
Titanium dioxide and pigment in obls. ¼c higher; Pac. coast c.l. dlvd., t.c.l. ex whse ½c higher
Titanium tetrachloride, CP, 55 gal. dms..lb. .57 - .58
smaller pkgs. works lb 65 - 1.22
technical, 5-gal dms., works lb 32 - —
smaller pkgs works lb 40 - 1.00
Tolu balsam, cns., dms..lb. 3.75 - 4.00
Toluene see Toluol.
Tolidin base, distilled, kgs..lb. 1.20 - —
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa..gal. .27 - —
Birmingham dist..gal. .25 - —
Chicago dist..gal. .28 - —
Cleveland district..gal. .27¾ - —
Geneva, Utah..gal. .21 - —
Hamilton, Ohio..gal. .27 - —
Johnstown, Pa..gal. .25 - —
Lackawanna, N. Y..gal. .28 - —
Lone Star, Tex..gal. .26½ - —
Lorain, Ohio..gal. .26 - —
Minequa, Colo..gal. .25½ - —
Philadelphia, Pa..gal. .28½ - —
Pittsburgh district..gal. .25 - —
Sparrow's Point, Md..gal. .27 - —
St. Louis, Mo..gal. .30 - —
Syracuse, N. Y..gal. .25½ - —
Terre Haute, Ind..gal. .28½ - —
Wyandotte, Mich..gal. .28 - —
Youngstown, Ohio..gal. .25½ - —
Petroleum, industrial 2° tanks works—
Albany, N. Y..gal. .30 - —
Bayonne, N. J..gal. .30 - —
Baytown, Tex..gal. .28 - —
Chicago, Ill..gal. .30 - —
Detroit, Mich..gal. .30 - —
Philadelphia, Pa..gal. .30 - —
Providence, R. I..gal. .30 - —
Wood River, Ill..gal. .30 - —
Tonga 50% bark and vine bls lb 80 - 95
Tonka beans, Angostura cks lb 1.75 - 1.80
Brazilian cs..lb 1.00 - 1.15
Surinam cs..lb 1.00 - 1.15
Toxaphene, dms., works, c.l..lb 20 - —
truckloads, works..lb 20 - —
ton to truckloads, works..lb 23 - —
less than tons works..lb 26 - —
Totaquine, 100-oz. lots, cns..oz. .42 - —
Triacetin, dms., dlvd..lb. .45 - .46
Tributyl citrate, tech., dms..lb. .31½ - —
smaller containers..lb. .57 - —
Phosphate tms c.l. frt. alld lb 56½ - —
l.c.l. same basis..lb. .57½ - —
smaller containers..lb. .61½ - —
Tributylamine dms., c.l., frt. alld.lb. 78¾ - —
l.c.l., same basis..lb. 79¾ - —
tanks, same basis..lb 77 - —
Trichlorobenzene dms. c.l. works, frt. alld..lb. .11½ - —
l.c.l., frt. alld..lb. .12½ - —
tanks, frt. alld..lb. .10 - —
Prices in the West, 1¾c higher.
Trichloroethane, dms., c.l. works.lb. 13 - —
l.c.l. works lb 13½ - —
tanks works lb 11½ - —
Trichloroethylene, dms., c.l. or truckload works frt equald..lb. .11 - —
l.c.l., same basis..lb. .11½ - —
tanks, same basis..lb. .10 - —
Trichloroethylene, dms., c.l. dlvd. £ lb 11¼ - —
l.c.l., dlvd. £..lb 11¾ - —
tanks, dlvd £..lb. 10¼ - —
Tricholine citrate, 65% solut., ret. chys works frt adjusted lb 2.10 - 2.15
Tricresyl phosphate coaltar, dms., c.l., dlvd..lb. .34 - —
l.c.l., dlvd..lb. .35 - —
tanks, dlvd..lb. .32¼ - —
petroleum, dms., c.l., dlvd..lb. .34 - —
l.c.l., dlvd..lb. .35 - —
tanks, dlvd..lb. .32¼ - —

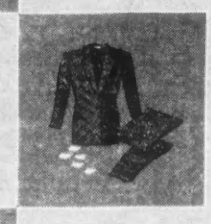
Victor ammonium phosphates are used extensively by industry. Why not investigate the important properties of these chemicals which offer a wide variety of applications? You may effect a saving in your process or provide new advantages for your product.

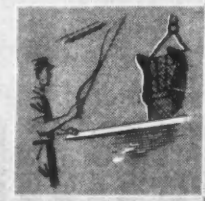
Look over some of the regular uses listed below, and see which application or properties are interesting to you. We shall be glad to send you more information and samples at your request.

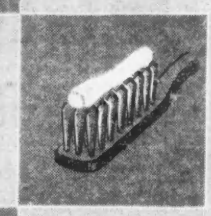
AMMONIUM PHOSPHATES
a group of
VERSATILE VICTOR CHEMICALS

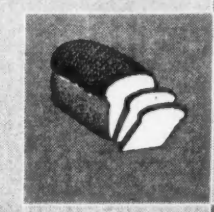
USES OF VICTOR AMMONIUM PHOSPHATES

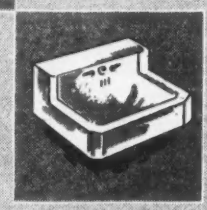

Flameproofing paper, wood, textiles, and vegetable fibers.


Chrome dyeing of wool.


Acid cleaners and rust-proofing metals.


Ammoniated dentifrices.


Manufacture of yeast, vinegar, yeast foods, bread improvers, alcohol.


Ingredient of glass and vitreous enamel.

Preventing afterglow in matches.
Plant nutrient solutions.
Catalyst for urea formaldehyde and melamine resins

VICTOR MONOAMMONIUM PHOSPHATE
$NH_4H_2PO_4$
A brilliant white crystalline or powdered material.
All grades meet U. S. Pure Food Law requirements.
Grades: Crystalline, powdered, and powdered F. F. (free-flowing)
Typical Analysis:

NH_3 (min.)	14.5%
P_2O_5	61.0%
pH (1% solution)	4.5

VICTOR DIAMMONIUM PHOSPHATE
$(NH_4)_2HPO_4$
A brilliant white crystalline material, mildly alkaline in reaction.
Meets all U. S. Pure Food Law requirements.
Grades: Crystalline, powdered F. F., and dentifrice.
Typical Analysis:

NH_3	25.3%
P_2O_5	53.5%
pH (1% solution)	8.0

Write for Quotations, Technical Data, or Experimental Samples.

VICTOR CHEMICAL WORKS

VICTOR CHEMICAL WORKS
141 WEST JACKSON BOULEVARD • CHICAGO 4, ILLINOIS

A. R. Maas Chemical Co., Division
4570 Ardine Street, South Gate, California

Triethanolamine—Wax, Microcrystalline

Triethanolamine, dms., c.l., frt. alld. E ..lb. .24¾- —
l.c.l., same basis ..lb. .25¾- —
tanks, same basis ..lb. .23 - —
Triethylamine, dms., c.l., works, frt. alld, E ..lb. .38 - —
l.c.l., same basis ..lb. .39 - —
tanks, same basis ..lb. .36¼- —
Triethyl citrate, tech., dms ..lb. .27 - —
smaller containers ..lb. .50 - —
refd., dms ..lb. .71 - —
smaller containers ..lb. .84 - —
Phosphate dms., works, c.l. ..lb. .38 - —
l.c.l., same basis ..lb. .39 - —
tanks, same basis ..lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld., E ..lb. .22¼- —
l.c.l., same basis ..lb. .23¼- —
tanks, same basis ..lb. .20½- —
Triethylenetetramine, dms., c.l., works ..lb. .41½- —
l.c.l., works ..lb. .42 - —
tanks ..lb. .40 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald, 100% basis, ..lb. .38 - —
l.c.l., works, frt. equald, 100% basis ..lb. .38½- —
tanks, works, frt. equald., 100% basis ..lb. .33 - —
Trimethylhexanol, dms., c.l., works, ..lb. 29½- —
t.c.l., works ..lb. .30 - —
tanks, works ..lb. .28 - —
Tripentaerythritol, bgs., l.c.l works, ..lb. .35½- .37½
Triphenyl phosphate, bbls., c.l., frt equald ..lb. .33 - —
l.c.l., frt. equald. ..lb. .34 - —
Triphenylguanidine, bbls., works lb. .80 - —
Tripoli, air-floated, bgs., c.l., works, ..lb. .0175- —
double-grd., bgs., c.l., works ..lb. .016 - —
single-grd., bgs., c.l., works ..lb. .015 - —
Tripropyleneglycol, dms., c.l., frt. alld. ..lb. .25½- —
l.c.l., frt. alld ..lb. .27½- —
tanks, frt. alld ..lb. .23½- —
Trisodium fluoroacetate (see sodium fluoroacetate tribasic).
Trisodium phosphate (see Sodium phosphate, tribasic).
Trypsin, 1:25, dms., works ..lb 2.30 - —
1:50, dms., works ..lb 4.25 - —
1:75, dms., works ..lb 5.50 - —
1:100, fib. dms., works ..lb 5.50 - —
Tryptophane, dextro-laevo, fib. ctns. works kilo.207.00 -242.00
Tuba root (see Cube root).
Tungsten metal powd., 99.9%, dms. works lb. 4.50 - 4.75
Turmeric root, Alleppey, bgs ..lb. .34 - .35
Haitian, bgs. ..lb. .10¼- .10½
Jamaica, bgs. ..lb. .10 - .10½
Madras, bgs. ..lb. .17 - .17½
Turpentine, gum (see Naval Stores Protective Coatings market).
Wood, dest.-dist., dms., extra, c.l., works, South ..gal. .37 - —
l.c.l., same basis ..gal. .38 - —
l.c.l., whse. ..gal. .55 - —
steam-dist., dms., incl., c.l., works ..gal. .50 - —
t.c.l., works South ..gal. 56 - —
ex whse., NYC ..gal. .76 - —
tanks, works ..gal. .42 - —
Tyrothricin, bots. ..gram 1.00 1.10

U

Urethane, USP, dms ..lb. 1.50 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs ..lb. 2.55 - —
yellow, kgs. ..lb 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. ..lb. .04¾- —
l.c.l., works ..lb. .05¼- —
42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ..ton.99.00 - —
Urea-ammonia liquor, A and B grades, N basis, tankcars Belle, W. Va ..ton.115.00 - —
C and D grades, tankcars same basis ..ton.113.50 - —
37 grade, tankcars same basis ..ton.137.50 - —
Uva ursi leaves, bls ..lb. .06 - .14

V

Valerian root, Belgian, NF, bls lb. .35 - .37
Valine, dextro-laevo, dms., works lb.21.00 -27.50
Valonia beards, bgs., ex dock ton.78.00 Nom.
Cups, bgs., ex dock ..ton.55.00 - —
Extract, powd. bgs. ex dock, duty extra lb. .09½- —
Vanadium pentoxide, CP bgs., cns., works lb 7.00 - —
tech. dms. works lb 1.00 1.06
Vanilla beans, Bourbon, tins ..lb. 3.90 - 4.25
Mexican, cuts, tins ..lb 6.50 - 6.75
whole, tins ..lb 7.25 Nom.
Tahiti, cs. ..lb 2.75 - 3.25
Vanillin, ex eugenol, tins, 25 lbs ..lb. 4.00 - —
smaller lots ..lb. 4.05 - 4.15
ex guaicol, tins, 25 lbs ..lb 3.00 - —
smaller lots ..lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots ..lb 3.00 - —
smaller lots, tins ..lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., c.l., works ..lb. .17 - —
l.c.l., works ..lb. .17½- —
tanks, works ..lb. .16 - —
Vinyl butylether, normal, tech., dms., c.l., works ..lb. .28 - —
l.c.l., works ..lb. .30 - —
tanks, works ..lb. .27 - —
Ether (see Ether, divinyl).
Ethylether, tech., dms., c.l., wks. ..lb. .28 - —
l.c.l., works ..lb. .30 - —
tanks, works ..lb. .27 - —
Isobutylether, tech., dms., c.l., works ..lb. .28 - —
l.c.l., works ..lb. .30 - —
tanks, works ..lb. .27 - —
Methylether, cyls., works ..lb. .30 - —
tanks, works ..lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works ..lb. 1.50 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units.. 1,000,000 units. .025 - —
lots of 1 billion USP units. 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in neutral vegetable oil, 400,000 or 1,000,000 D units per gm., bots., lots of 10 billion USP units ..1,000,000 units. .02 - —
lots of 1 billion USP units. 1,000,000 units. .025 - —
lots of less than 1 billion USP units.1,000,000 units. .03 - —
Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more.. 1,000,000 units. .16 - —
200,000 to 400,000 A units per gram, bots., cns., dms., lots of less than 500 million units..1,000,000 units. .20 - —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more .. 1,000,000 units. .17 - —
lots of less than 500 million units .....1,000,000 units. .21 - —

Prices above are based on the USP XIII method of conversion, E x 1894.

Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more.. 1,000,000 units. .17 - —
lots of less than 500 million units ..1,000,000 units .21 - —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .18 - —
less than 500 million units. 1,000,000 units. .22 - —

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

A, natural, concentrates (see Oil, fishliver).
A, synthetic acetate, 1,000,000 A units, per gm ..1,000,000 units. .18 - —
A synthetic, palmitate, 300,000 A units per gm., frt. adjstd. 1,000,000 units. .18 - —
B (see Thiamine hydrochloride).
B_2 (see Riboflavin).
Vitamin B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxin hydrochloride).
B_{12}, vials, 25 100 and 500 milligram lots..milligram. .59½- —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (see Calciferol).
Vitamin E (see Alphatocopherol and Oil, wheat germ).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P naphtha (see Petroleum naphtha).

W

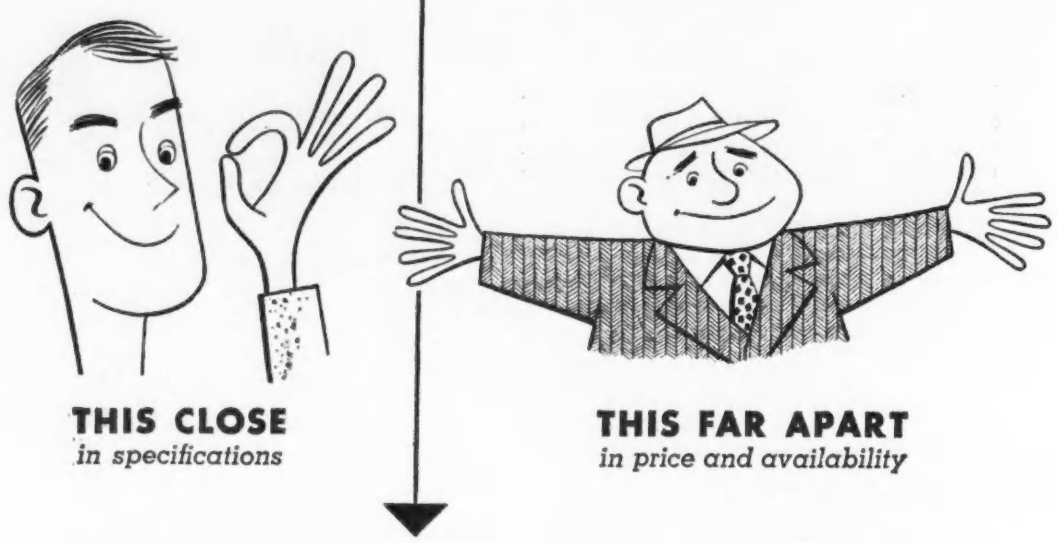
Wahoo root bark, bls ..lb. 1.75 - 1.80
Tree bark, bls ..lb. .75 - .90
Warfarin, 0.5%, dms., 50 lbs., f.o.b. N. Y. or Chicago ..lb. 1.95 - —
25-49 lbs., same basis ..lb 2.05 - —
5-24 lbs., cns., same basis ..lb 2.15 - —
Wattle bark, fair average, or E. Afr., bgs., ex dock ..ton.71.50 - —
merchantable, bgs., ex dock ton.67.00 - —
extract, liquid, 55% tannin, bbls., works lb. .08 - .08½
solid, E. Africa, 61% tannin, bgs., ex dock, duty extra lb. .0770- .0780
S. Africa, 62% tannin, ex dock, duty extra ..lb. .0770- .0780
Wax amorphous (see Wax microcrystalline)
Bayberry, bgs. spot ..lb. .44 - .45
Bees, bleached, USP, bricks, cs. ..lb. .69 - .71
slabs, bgs. ..lb. .68 - .70
crude, African, bgs ..lb. .56 - .58
Brazilian, bgs ..lb. .60 - .62
Central American, bgs ..lb. .57 - .59
refined, yellow, bricks cs ..lb. .61 - .62
slabs, bgs. ..lb. .60 - .62
Candelilla, crude, bgs ..lb. .60 - .62
refined, bgs ..lb. .64 - .66

Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, bgs. ton lots.lb. No stocks.
North Country, No. 2, ton lots. ..lb. .84 Nom.
No. 3, crude, bgs., ton lots. ..lb. .83 - .85
refined, bgs., ton lots ..lb. .87 - .89
yellow, No. 1, bgs., ton lots ..lb. 1.02 - 1.04
No. 2 ..lb. 1.00 - 1.02

Powdered carnauba price differentials same as powdered candelilla.

Japan, bgs ..lb. .62 - .65
Microcrystalline, 170°-175° m.p., ASTM amber cns., 20,000 lbs group 3, works lb 14 - —
Less than 20,000 lbs same basis lb. 15 - —



CONCORD #159 WAX

...the ideal replacement for CARNAUBA

Worried about high prices and short supply of Carnauba wax?

Here's the solution to your problem! Concord #159 Wax, in specifications, is almost a twin brother to Carnauba. Melting point is exactly the same; other characteristics remarkably similar. Yet Concord #159 costs about one third less, and is available *now* from spot stocks.

Makes up into a beautiful, translucent water emulsion. Proved by years of satisfactory use.

Write today for a sample and price quotation. See how you'll benefit by using Concord #159 as a replacement for Carnauba or Candelilla!

Concord Chemical Company
Moorestown, New Jersey

Gentlemen,

I'm interested in testing your Concord #159, so send me a working sample without obligation.

NAME_____

FIRM_____

STREET_____

CITY_____

CONCORD CHEMICAL COMPANY

MOORESTOWN, NEW JERSEY — Moorestown 9-1100

CRESYLIC ACID • JAPAN AND CARNAUBA WAX REPLACEMENTS
CANDELILLA WAX • REFINED TALL OIL

SPOT in New York and AFLOAT

SODA ASH

Light 58%, Solvay Dense

Packed: Jute Bags, 100 kilos net

Substantial Tonnage

REPUBLIC CHEMICAL CORP.

94 BEEKMAN STREET NEW YORK 7, N. Y.

Telephone: REctor 2-9810

Wax, Microcrystalline—Zinc Stearate

Wax, microcrystalline, black, ctns., 20,000 lbs., same basis lb. .12½- —
Less than 20,000 lbs., same basis lb. .13½- —
white, ctns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 - —
180°-185° m.p., ASTM, black, ctns., 20,000 lbs., same basis lb. .14½- —
Less than 20,000 lbs., same basis lb. .15½- —
amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis lb. .17 - —
white, ctns. 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .28 - —
190°-195° m.p., ASTM, amber, basis lb. .20½- —
Less than 20,000 lbs., same basis lb. .21½- —
black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
white, ctns. 20,000 lbs., same basis lb. .33½- —
Less than 20,000 lbs., same basis lb. .34½- —
Montan, dom., black, raw lb. .25 - .25½
refined lb. .31 - .32
imported, Bohemian, bgs. lb. .15½- .16
German, bgs. lb. .16 - .17

Wax, ouricury, refined, bgs., ton lots lb. .82 - .84
Paraffin (see P.)
Spermaceti, blocks, cs. lb. .28 - .31
cakes, cs. lb. .29 - .32
Sugar, cane, crude, imp., bgs. lb. No stocks.
refined, dom., slabs, works lb. .69 - .74
imp., bgs., N. Y. lb. .48 - .50
White lead (see Lead, white).
White pine bark, rossed, bls lb. .18 - .20
White precipitate USP powd., dms. 50 lbs lb. 2.00 - —
Whiting, limestone, dry-grd., 99.5%, 325 mesh, bgs. c.l., works. ton. 6.00 -10.00
smaller lots, works ton. 6.50 -15.00
wet-grd., bgs., c.l., works ton.16.00 -30.00
smaller lots, works ton.21.00 -35.00
Paris white, bgs., c.l. ton.24.00 -31.00
l.c.l. whse. ton.25.00 -40.00
Precipitated, bgs., c.l. ton.18.00 -20.00
l.c.l. ton.25.00 -35.00
Wild cherry bark, thick, natural, bls lb. .06 - .07
thin, natural, bls. lb. .15 - .16
rossed, bls. lb. .17 - 18
Wild indigo root, bls. lb. .30 - .31
Wild yam root, bls. lb. .16 - .17
Witch hazel leaves, bls. lb. .20 - .22
Woodflour 40 mesh bulk, c.l., works, East ton.32.00 - —
t.c.l., same basis ton.40.00 - —
60 mesh, bulk, c.l. same basis ton.37.00 - —
t.c.l., same basis ton.45.00 - —
80-100 mesh, bulk, c.l., same basis ton.40.00 -45.00
t.c.l., same basis ton.50.00 -55.00
Woodflour in bgs. extra, returnable.

Woolfat (see Lanolin).
Wormseed, American, bgs. lb. .13 - .14
Levant, bgs. lb. 4.50 - 5.00
Wormwood leaves, bls lb. .35 - .45

X

Xanthorrhiza root, bls. lb. .26 - .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l., works, frt equald lb. .193 - —
t.c.l., same basis lb. .196 - —
tanks, same basis lb. .18 - —
45°-47°C. dms., c.l., frt. equald lb. .153 - —
t.c.l., same basis lb. .156 - —
tanks, same basis lb. .14 - —
fractions, over 7°C., b.p., except meta, dms., c.l., same basis gal. 1.06 - —
t.c.l., same basis gal. 1.09 - —
tanks, same basis gal. .95 - —
Meta fraction, over 7°C., dms., c.l., same basis gal. 1.16 - —
t.c.l., same basis gal. 1.19 - —
tanks, same basis gal. 1.05 - —
Xylidins, mixed, dms lb. .45 - .50
Xylol, coaltar, industrial, tanks, works—
Bethlehem, Pa. gal. .29 - —
Birmingham district gal. .26¼- —
Chicago district gal. .29½- —
Cleveland district gal. .29 - —
Geneva, Utah gal. .21 - —
Hamilton, Ohio gal. .28 - —
Johnstown, Pa. gal. .27 - —
Lackawanna, N. Y. gal. .29 - —
Lone Star, Tex. gal. .27 - —
Lorain, Ohio gal. .27 - —
Minequa, Colo. gal. .29 - —
Philadelphia, Pa. gal. .29 - —
Pittsburgh district gal. .26 - .29
Xylol, coaltar, industrial, tanks, works, Sparrows Point, Md. gal. .29 - —
St. Louis, Mo. gal. .30 - —
Syracuse, N. Y. gal. .26½- —
Terre Haute, Ind. gal. .31 - —
Wyandotte, Mich. gal. .29 - —
Youngstown, Ohio gal. .26½- —
Petroleum, indust., 40°, tanks, works:—
Albany, N. Y. gal. .30 - —
Bayonne, N. J. gal. .30 - —
Baytown, Tex. gal. .28 - —
Chicago, Ill. gal. .30 - —
Detroit, Mich. gal. .30 - —
Philadelphia, Pa. gal. .30 - —
Providence, R. I. gal. .30 - —
Wood River, Ill. gal. .30 - —

Y

Yara yara, cns. lb. 2.25 - 2.30
Yeast, brewer's dry, USP, 50 B units per gram, 100-lb. dms lb. .44 .46
80 B units per gram, 100 lb. dms lb. .49 - .51
200 B units per gram, 100 lb. dms lb. .53 - .55
300 B units per gram, 100 lb. dms lb. .57 .59
Yellow, barium chromate, CP bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss. including Davenport, Minneapolis, Rock island, St. Louis, St. Paul lb. 2.30 - —

Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below

Benzidin, bbls., dlvd. lb. 1.91 - —
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.65 - 2.80
Lithopone, all shades, bbls., frt. alld. E. of Rockies lb. 1.12 - —

Cadmium yellows, Los Angeles and San Francisco, ex whse l.c. per lb higher.

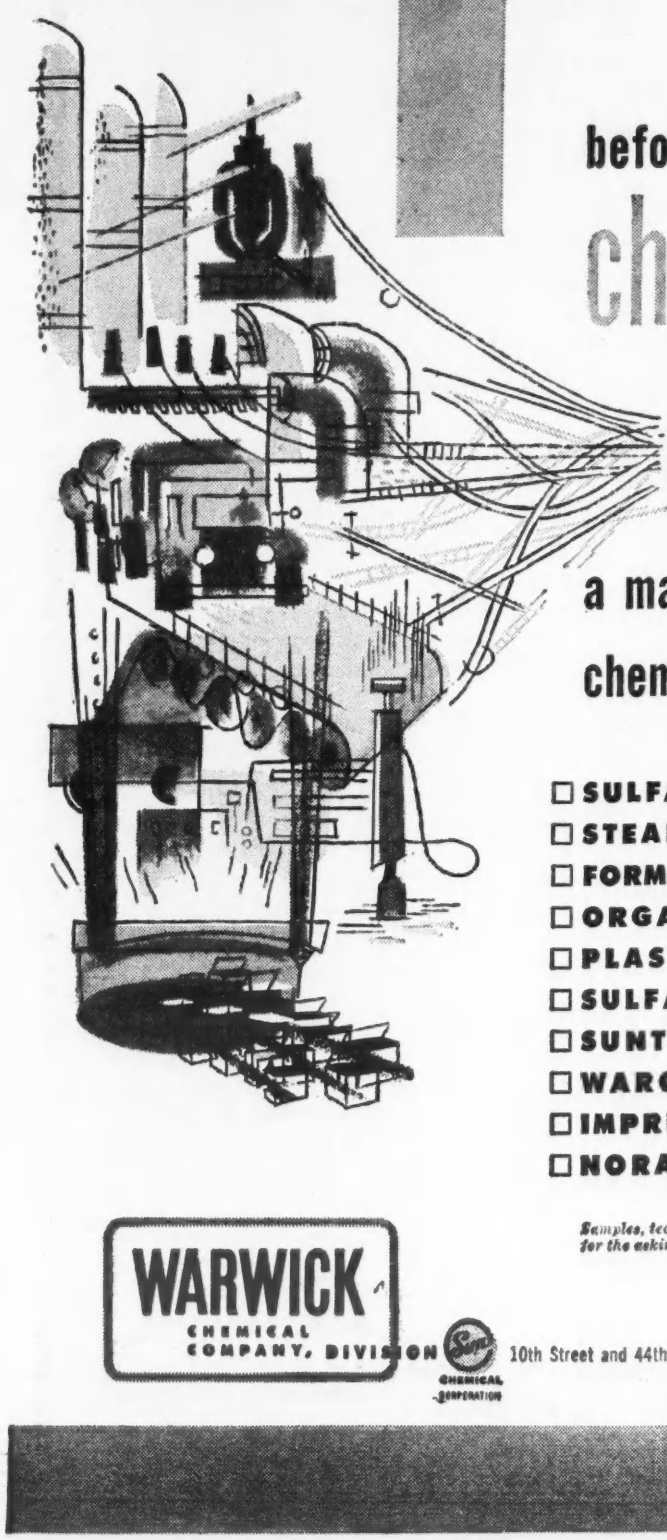
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss. including Davenport, Minneapolis, Rock island lb. .30 - .31

Dlvd. Ala., Fla., Ga., La. (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1½c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Hansa, bbls., same basis as chrome lb. 1.91 - 2.15
Primrose, bbls. same basis lb 1.90 2.10
Iron oxide, natural, bgs., c.l., works lb. .0141- .0250
t.c.l., works lb. .0166- .0275
French type, bgs. c.l. lb. .04½- —
t.c.l. lb. .04¾- —
Peruvian type, bgs. c.l. lb. .0185- .0210
synth., bgs., c.l., works lb. .09½- —
l.c.l., works lb. .09¾- —
Mercury oxide, bbls., 1,000 lbs. lb. 1.93 - —
smaller lots lb 1.95 —
Ocher, American golden, bgs., works lb. .01¼ .02¼
Zinc, bbls. same basis as chrome. lb. .23 - .29
Yellow dock root, bls lb. .10 .25
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls lb 28 .30
Yohimbine hydrochloride, vls. oz. 4.75 - 5.25

Z

Zein, bgs., 36,000 lbs., works lb. .30 - —
1,000 lbs. to 36,000 lbs. works lb. .32 - —
smaller lots, works lb. .35 - —
Zinc acetate, tech., bbls., dms lb. .26¼- —
NF, dms. lb. .41 - —
Borate, bgs., c.l., dlvd. E. lb. .18½- —
l.c.l., dlvd. E. lb. .19½- —
Carbonate, purified, powd., dms. lb. .26 - —
tech., rubbermakers', bgs., works. lb. .10¾- .11¼
precipitated, powd., dms. lb. .26 - —
Chloride, tech., fused, dms., c.l., works 100 lbs. 7.70 - —
t.c.l., works 100 lbs. 8.10 - —
gran., bbls., c.l., works. 100 lbs. 8.45 - —
l.c.l., works 100 lbs. 8.85 - —
solution 50% dms., c.l., works. 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 4.85 - —
tanks, works 100 lbs. 3.60 - —
NF, gran., dms lb 42 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., works lb. .457 - .477
Dust, c.l., works lb. .21 - —
l.c.l., works lb. .22 - —
Fluoride, bbls., works lb. 40 - —
Hydrosulphite, dms., c.l., frt. alld. lb. .18¼- .18¾
l.c.l. lb. .18¾- .20¼
Iodide, NF, jars lb. 4.85 - —
Laurate, bbls lb. .45 - .46
Metal, slabs, E. St. Louis lb. .17½- —
Naphthenate, liquid, 8% Zn, frt. alld. lb. .23 - —
10% Zn, dms., frt. alld. lb. .27¾- —
Oleate, fused, bbls. lb. .36 - —
Oxide, pigment, dom., acicular, bgs., c.l., dlvd. lb. .16 - —
l.c.l., dlvd. lb. .17 - —
American process, com'l, lead-free, bgs., c.l., dlvd. lb. .16 - —
l.c.l., dlvd. lb. .17 - —
leaded, 5%, bgs., c.l., dlvd. lb. .16 - —
l.c.l., dlvd. lb. .17 - —
35%, bgs., c.l., dlvd. lb. .16¼- —
l.c.l., dlvd. lb. .17¼- —
50%, bgs., c.l., dlvd. lb. .16¾- —
l.c.l., dlvd. lb. .17¾- —
French process, com'l, lead-free, bgs., c.l., dlvd. lb. .16 - —
l.c.l., dlvd. lb. .17 - —
green seal, bgs., c.l., dlvd. lb. .17¾- —
l.c.l., dlvd. lb. .18¾- —
red seal, bgs., c.l., dlvd. lb. .17¼- —
l.c.l., dlvd. lb. .18¼- —
white seal, bgs., c.l., dlvd. lb. .18¼- —
l.c.l., dlvd. lb. .19¼- —
USP, ctns., c.l., dlvd. lb. .19¼- —
l.c.l., dlvd. lb. .20¼- —
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.
Phenolsulphate, dms. lb. .36 - —
Resinate, precip., dms., frt. alld. lb. .23½- —
Silicofluoride, bbls., works lb. .10 - .10½
Stearate, tech., USP, ctns., c.l. lb. .39 - —
ton lots lb. .40 - —
less ton lots lb. .41 - —



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l.c.l., same basis	100 lbs.	7.25	—
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l.c.l., works	100 lbs.	6.45	—
powdered, 36% Zn, bgs., c.l., dlvd., same basis	100 lbs.	9.25	—
l.c.l., same basis	100 lbs.	10.00	—
Zinc sulphate in bbls. 40c. higher			
USP, gran., dms.	lb.	.23	.23½
Sulphide, pure, ogs., c.l., dlvd.	lb.	.24	—
l.c.l., dlvd	lb.	.25	—
Thionosulphonate, NF, gran., bbls., dms	lb.	.33	.34
powd., bbls	lb.	.36	.37
Undecylenate, dms.	lb.	1.90	2.00
Yellow (see Yellow, zinc)			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	7.35	—
l.c.l., works	100 lbs.	7.75	10.25
Zinc-cadmium sulphide, fluorescent, cns., frt. alld	lb.	2.00	2.80
Zinc-calcium resinate, dms., c.l., works	lb.	.1160	.1360
l.c.l., same basis	lb.	.1220	.14
Zinc-formaldehyde sulphoxalate, basic, dms., l.c.l., works	lb.	.22½	—
normal, dms., l.c.l., works	lb.	.44	—
Zircon (see Zirconium silicate)			
Zirconium acetate, 13% sol ZrO_2, bbls., works	lb.	.21¼	—
Carbonate, basic, cake, bbls., works	lb.	.30½	—
Hydride, cns., works	lb.	7.00	8.00
Nitrate, dms., works	lb.	1.75	—
Oxide, 98½-99% white, grd., bbls. or bgs., works	lb.	1.50	—
lump, electric-fused, bgs., c.l., works	lb.	.44	—
5 tons, works	lb.	.44½	—
1 ton or less, works	lb.	.45	.48
milled, electri-fused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	.59½	—
1 ton or less, works	lb.	.60	.63
Oxychloride, cryst., ctns., 5 tons, works	lb.	.29½	—
Silicate, granular, bgs., c.l., works.	lb.	.03¼	.03¾
10 tons, works	lb.	.03½	.04
5 tons, works	lb.	.04	—
1 ton or less, works	lb.	.04¼	.04¾
milled, bgs., c.l., works	lb.	.04¾	—
5 tons, works	lb.	.05¼	—
1 ton or less, works	lb.	.05¾	.06¾
refined, bgs., c.l., works	lb.	.11	—
5 tons, works	lb.	.11½	—
1 ton or less, works	lb.	.12	.16
Sulphate, cryst., ctns., c.l., works.	lb.	.37½	—
5 tons, works	lb.	.38	—
1 ton or less, works	lb.	.38½	.39

Monsanto Publishes Bulletin On Polyvinyl Chloride Film

The properties and uses of typical polyvinyl chloride film and sheeting formulations are described in a bulletin available from Monsanto Chemical Company, St. Louis, Mo. Pointing out that plasticizers are as important to the quality of the finished product as the resin itself, the bulletin contains detailed information on various types of plasticizers and their functions. The composition and relative values of seven stabilizer systems are also included.

Although nine of the plasticizers suggested are from Monsanto's complete and diversified line of vinyl plasticizers, the bulletin recommends other plasticizers and stabilizers as well. It also includes a comprehensive list of suppliers of raw materials required in the recommended formulations.

NPA Gets New Powers

—*Continued from page 4*

ing the foregoing products, including mines and concentration plants.

Conform to Commerce Policies

2. The authority so delegated may be exercised by Interior in its own name but will conform to production policies and programs established by Commerce.

3. Interior will serve as claimant agency before Commerce and elsewhere for the industries whose output it allocates as specified above.

4. Commerce will not maintain an industry or staff with jurisdiction over the industries specified above, but this function will be performed by Interior, more particularly as follows:

A. Interior will be the primary point of government contact for such industries.

B. Interior will be responsible for the initiation of general programs and procedures for distribution of material to the industries specified above. Such programs and procedures, if approved by Commerce will be incorporated in NPA regulations and orders.

C. Upon issuance of any such regulation or order, Commerce will delegate to Interior primary responsibility for its administration, subject to such policies as may be prescribed by Commerce.

D. Policy determinations of Interior with respect to the distribution of materials, including the construction of new facilities, within quantities which may be allocated by Commerce to the industries represented by Interior will be followed by Commerce to the fullest extent feasible under then current procedures.

Mining Machinery Industry

5. Special arrangements will be made with respect to the mining machinery industry. It is intended that Interior shall act as claimant for that industry and will propose and administer allocations and priority orders of the NPA with respect to that industry. Such arrangements will be made only where the predominant use of the product of the industry is for the mining industry.

6. Commerce and Interior will maintain close liaison in the development of policies, programs and procedures affecting the minerals and metals industry as a whole.

Chadeloid Corp. Adds Two To Technical Sales Staff

Chadeloid Corporation and New Wrinkle, Inc., both of Dayton, Ohio, have added Russell D. Hamilton and George A. Conrad to their technical sales staffs. Mr. Hamilton, who will make his headquarters in Chicago, will cover the Minnesota, Wisconsin, Illinois, Michigan, Indiana, Kentucky, eastern Missouri and western Ohio territories. A veteran of twenty-two years of sales-service and formulating experience, he was previously associated with Cook Paint & Varnish Company, Kansas City, Mo., and the Sherwin-Williams Company, Chicago.

Mr. Conrad, who will be based at Lyndhurst, N. J., will contact New Wrinkle and Chandeloid manufacturing licensees in the East from Boston, Mass., to Atlanta, Ga. Most recently with Breinig Brothers, Inc., Hoboken, N. J., in a technical service capacity, he has had experience in the wood finishing and industrial finish fields, particularly in the New York-Philadelphia area.

Dutch Salt Production Up

Production of salt in the Netherlands during June was 33 762 tons, against 27,500 tons in the corresponding month of 1949, according to the Netherlands Economic Information Service. Salt output during the first half of this year amounted to 180,776 tons. The monthly average was 30,129 tons, which compares with averages of 27,500 tons and 20,772 tons during the first halves of 1949 and 1948, respectively.

Glass Container Shipments Up

The total shipment of narrow-neck glass containers in gross during August was 6,587,950, as compared with 5,611,381 in July, according to the Bureau of Census. In this category the amount used for medicinal and health supplies was 1,457,986 in August, against 1,096,797 in July; chemicals, 681,198 in August, versus 554,149 in July, and toiletries, 567,199 in July, compared with 475,703 in July.

The total shipment of wide-mouth glass containers in gross during August was 4,544,327, as compared with 3,529,776 in July. In this category the amount used for medicinal and health supplies was 325,148 in August, against 238,245 in July; chemicals, 138,003 in August, versus 94,627 in July, and toiletries, 150,327 in August, compared with 98,089 in July.

Dow Brochure Reports Use Of Bromine in Slime Control

The Dow Chemical Company announces the availability of a new literature piece, "The Use of Bromine for Algae and Slime Control in the Los Angeles Plant, Styrene Division, The Dow Chemical Company."

This brochure is a report of the experiments and final results on the addition of bromine to control algae and slime in water cooling towers. Manufacturers who are confronted with the problem of algae growth and slime accumulations in cooling towers will find this literature of great help.

The brochure may be obtained by writing to the pharmaceutical sales department, The Dow Chemical Company, Midland, Mich.

U.S. Stoneware Issues Bulletin

U. S. Stoneware Company, Akron, Ohio, has published a new bulletin entitled, "Grinding & Mixing Equipment." The publication describes U. S. Stoneware's complete line of grinding and mixing equipment, and contains illustrations and specifications in chart form. Copies of the bulletin (265) may be obtained upon request to the company, process equipment division, Akron 9.

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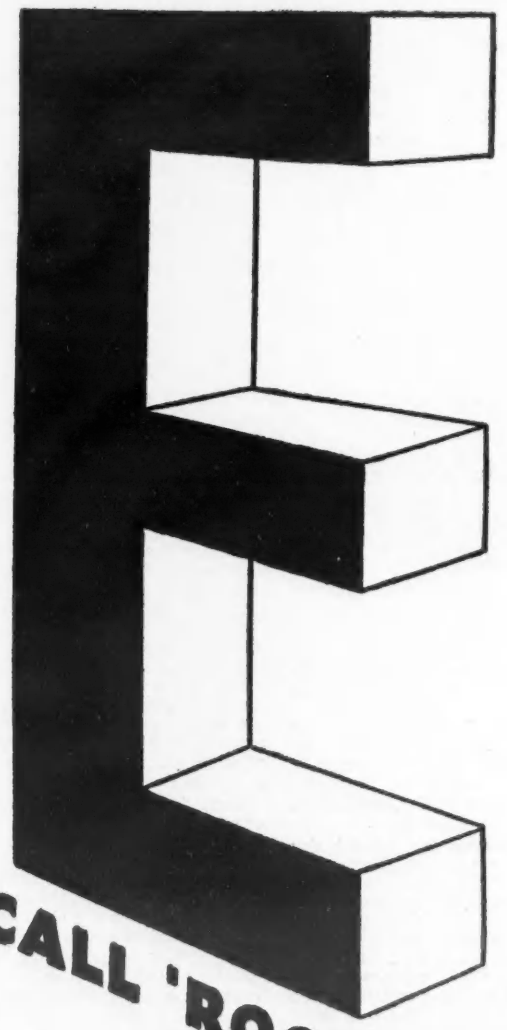

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Volume 158 October 16, 1950 Number 16

Industry's Manpower Needs

Effect of military expansion of manpower requirements of equally-expanding industry, once again a growing concern to management, has been the subject of serious thought by selective service officials. Manpower supply in the United States is adequate to procure and maintain the armed force of 3,000,000 men asked by the president. The problem facing both industry and government is to determine what part of the supply will be tapped.

Selective service has advised industry, for its own benefit as well as for the welfare of the nation, not to request occupational deferment for men under the age of twenty-six, except in unusual cases; to utilize as far as possible those who cannot meet the physical and mental requirements of the services; and to plan to keep all men in the age group twenty-six to thirty-five during the foreseeable future. However, it is suggested that plans be made to permit the release of this age group in the event that the nation is faced with a real fight for survival. Men over thirty-five may be retained by industry indefinitely, since it is current thinking that it will be better to build our armed forces from men under this age.

This advice indicates that sound planning is being done in the selective service system. It must immediately procure 1,200,000 men to bring the various services to strength, and 100,000 men a month thereafter to maintain this total. It is felt that the manpower pool in the age group nineteen through twenty-five is basically adequate for this, but only if selective service officials maintain a very strict attitude toward occupational deferment of men under twenty-six.

The overall picture clearly reveals the need of this. From the standpoint of industry, it is better if the age group of men liable for service is not extended. Induction of younger men would leave less of a void, since they lack experience and are consequently easier to replace.

The proposition that men under twenty-six years of age are to be regarded as available for military service must be accepted. Any substantial deviation from this policy will inevitably drive the military into older age brackets in search of needed men. This would mean induction of men with greater skills and more extensive experience, with a more severe impact upon industry than the loss of younger men.

If the international situation should become more critical, selective service obviously will hit older men. World War II experience proved that, even in an extreme emergency, very few over the age of thirty-eight can be used effectively in the armed forces, particularly in combat. It is highly probable, therefore, that the top age for induction would not exceed thirty-eight and likely would be held to thirty-five as long as possible.

Industry should heed the sound advice of the selective service officials and concentrate on training of men over thirty-five for key positions. With economic mobilization keeping pace with military expansion, manpower requirements will greatly increase; job turnover will be at a highly accelerated pace. Each company must have a hard core of trained personnel to adequately plug any hole and to assume the burden of increased workload.

Chemicals for Agriculture

Under the terms of the defense production act, the Department of Agriculture holds the key position with respect to raw materials so essential to next year's production of food and fiber crops. According to the legislation, it is the responsibility of the Department of Agriculture to present to the Department of Commerce all claims for raw materials needed by the agricultural chemicals industry.

Secretary Brannan's recent announcement that neither acreage allotments nor production controls would be set on the 1951 cotton crop illustrates the department's policy of encouraging production on the side of abundance rather than scarcity. It appears likely, therefore, that we can expect sizable increases in overall agricultural production next year.

Obviously, such production cannot be efficient without the widespread use of insecticides, fungicides, herbicides and related products. Not only must industry receive the required amounts of raw materials, but they must be available immediately in order that efficient use can be made of industry's production plant, with adequate time for distribution to strategic locations when and where needed.

Consequently, it is felt that the Department of Agriculture must assemble and analyze all facts necessary to claim materials which are under allocation or controls. On the basis of the experience of the last two wars, it is essential for agriculture to make a forceful presentation of these facts if the food and fiber supply of the nation is to be adequately protected, and if farm operational wastes are to be avoided.

It is good to see that the Department of Agriculture has made provision for such claiming of raw materials through the office of materials and facilities of its Production and Marketing Administration. It is urged, however, that realistic claims be drawn up, and that the basis of past experience be fully taken into account when such claims are sent to the Department of Commerce.

Washington Talks It Over

—*Continued from page 5*

profits tax on individual incomes that would operate in much the same manner that this tax will operate on corporations. The income of an individual would be averaged for a base period of years, say 1946 through 1949, and all income or nearly all that the taxpayer is now receiving in excess of that average would be turned over to the government.

Of course, the effect of such a tax would be to cancel out most of the pay raises that the unions and other workers have received since the end of the war. It might be one way of paying for the war, but it is

Fats and Oils Outlook

The Bureau of Agricultural Economics has this to say on fats, oils, and oilseeds in its current report on the price and demand situation:—

"Prices of most fats and oils during the next twelve months probably will remain above a year earlier since consumer income and industrial activity will be higher than in the past twelve months. Output of fats and oils from domestic materials, plus oil equivalent of exported soybeans, flaxseed and peanuts, is likely to be nearly the same as the 11,900,000,000 pounds produced in the year ending September 30, 1950.

"Prices of lard and vegetable oils may decline this fall from early September levels, reflecting the seasonal peak in output. The price of soybeans also may be depressed this fall by heavy marketings from the record 1950 crop, unless marketings are spread over a longer period than usual."

The crop reporting board is predicting a soybean crop of 275,000,000 bushels this year which some reliable sources outside the government believe may be an under estimate of as much as 25,000,00 bushels, not going to win many supporters.

Just how much foundation there is for predicting that such a tax will ever get beyond its present "talk" stage cannot be discovered. The Administration is disclaiming any authorship for the proposal nor can anyone be found who intends to offer it in the form of a bill. The one bright spot in this whole picture is that we are only a few weeks away from the congressional elections and there is more than a faint possibility that the report of this tax can be traced back to an obvious political source.

Tannin Supplies Developed

The forests furnish the most reliable source of our remaining scant supply of vegetable tannin. For several years the United States has had to import more than two-thirds of the tannin used in making domestic leather. More practical and economic ways to get high quality tree bark for the tanning industry are being demonstrated to forest workers by forest pathologists in the bureau of plant industry, soils and agricultural engineering.

Chestnut wood is the main sources of domestic tannin for making heavy leather, but most of all such wood now being used comes from trees that have been killed by an introduced fungus blight. Although the dead trees can be used for extracting tannin, they will eventually succumb to wind-throw, decay or other deterioration if left in the forests.

Next in value to the chestnut wood, chestnut oak and hemlock bark rank in importance as sources of tannin. The average tannin percentage secured is about 11 percent for hemlock and 12 percent for chestnut oak. The shortage of chestnut tannin increases the already existing need for oak and hemlock tan bark.

Bark will probably be the most important domestic tannin material when chestnut extract is no longer obtainable, say the pathologists. More supplies of bark tannin are needed and peeled bark must be handled so as to prevent loss from improper curing—which is the angle being approached in the current effort to increase quality tannin supplies.

NLRB to Spotlight Actions

The new general counsel of the National Labor Relations Board, George J. Bott, says that his office is going to follow the "goldfish bowl" policy of acting on complaints of labor law violations. When he refuses to issue a complaint he will make the fact known and the reasons for his decision.

This policy, if carried out as promised, should prove very helpful in the long run in winning public support for the board which is 75 percent of the battle of keeping labor-management relations at a peaceful level. At the present time, when a regional director refuses to issue a complaint and, on appeal to the general counsel, he also refuses to issue a complaint, there is no further appeal to any source.

As a consequence, there is no check on the authority of the general counsel in such matters beyond the check of public opinion. In the past, the negative decisions of the general counsel's office have not been made public. Mr. Bott promises to make his decisions public without exception. The charges and reasons for rejecting them will be made known, but names will be withheld.

OPD Forum

An Outlet for Individual Opinion

(Anonymous communications will not be recognized, but a signer's name will be withheld at request.)

Sulphuric Acid Process

The Editor,
OIL, PAINT AND DRUG REPORTER
Sir:—

We read with interest your article in your September 11 issue concerning production by contact process of sulphuric acid by the Chemical Construction Corporation. We noticed in it the use by the above-named firm of a quench converter.

We wish to draw your attention to our French patent no. 805,605, of August 10, 1935, and our corresponding German patent, DRP 662,445. These patents protect a converter into which a cold mixture of sulphur dioxide and air is injected between the different stages of catalysis so as to enrich the gas in sulphur dioxide and to prevent a rise in temperature. The same system has been described by G. Bachalard in the journal, "l'Industrie Chimique," March, 1939, page 156.

Paris, France Etablissements Kuhlmann

Capital Expenditures Climbing

The first indication since the Korean outbreak of American business plans for capital expenditures during the remainder of this year was provided by a survey of capital outlays made jointly by the Department of Commerce and the Securities and Exchange Commission. According to the survey, plant and equipment expenditures during the second half of this year are expected to total about $9,800,000,000 compared with $9,000,000,000 in the second half of 1949 and a peak of $10,200,000,000 in the last half of 1948.

Although costs of capital equipment and new plants have risen in 1950, the anticipated level of expenditures in the second half represents an increase in the physical volume to be purchased by business over that in the second half of 1949. The expected rise is in contrast to the decline from $9,100,000,000 in the first half of 1949 and to $8,000,000,000 in the first half of this year.

Planned outlays for the entire year now total $17,900,000,000, only slightly below the 1949 total, but considerably above the total of $16,100,000,000 anticipated at the beginning of this year. The manufacturing industries account for virtually all of the expected rise in aggregate outlays for the second half of this year over the same six months of 1949.

Abaca Fiber Project Set

Production of abaca fiber in the Western Hemisphere, now a comparatively small enterprise, will be significantly expanded as a result of congress authorizing the Reconstruction Finance Corporation to use up to $35,000,000 for such work.

Considerable importance is attached to the project since abaca (Manila hemp) is a strategic crop. Its fiber is strong, durable, and resistant to salt water, making it the most valuable fiber known for marine cordage. The United States obtains most of its supply from the Far East over long supply routes, making desirable a supplemental supply closer at hand.

RFC, under contract with private operators, began expanding abaca production in this hemisphere in 1942 and now has plantations totaling around 26,000 acres in production in Guatemala, Honduras, Costa Rica, and Panama. The new authorization permits expansion up to a total of 50,000 acres.

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pH	neutral to litmus	
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chloroform	6 cc.	
M.Pt.	235°-237.5°	
Ash	not more than 0.1%	
Heavy Metals	not more than 20 ppm	
Other Alkaloids	none	

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Heavy Chemicals

Acid index was advanced to 123.7 last week from 122.3 in the preceding period. The advancing tendency of the market was reflected in ammonium phosphate, the calcium and phosphate lists, salt cake, sulphuric acid and tin based chemicals. Like previous advances, the price revisions represented increased producing costs. Pyrotechnics in tin metal were caused by French reverses in the Indo-China war and fear that production may be cut off in Malaya. Incidentally, the metal reached a new high price level. Producers of tin-based chemicals have their output cutback severely by their inability to secure chlorine for the manufacture of tin chloride, the basic material for most of the tin salts.

Both light and dense soda ash are beginning to flow more freely from the recently strike-bound plants, but it is unlikely that much chlorine has been shipped owing to the difficulty experienced in getting the plant cells into workable shape. There was no easement in the supply of sulphuric acid, and the market responded rapidly to the late advance in the price of crude sulphur. Both caustic potash and potassium carbonate remained tight, with one of the plants closed during the prolonged strike finding it slow work to get the cells operating. Production, however, of ammonium bicarbonate, white sal ammoniac and sodium nitrite has increased favorably.

Paper production based on a percentage of six-day capacity was 106.0 percent for the week ending October 7, according to the American Paper and Pulp Association. This compared with 106.2 in the preceding week and 90.5 for the corresponding week in 1949.

Exports of chemicals, drugs, dyes, and colors from the United Kingdom reached a record high of £9,319,269 in July, 1950, according to Board of Trade figures published in the British press. They totaled £6,434,589 in July, 1949, and £7,580,839 in July, 1948. Notable increases occurred in exports of ammonium sulphate, lead compounds, sodium chemicals, and zinc oxide.

Market Trends

Prices Advanced

Ammonium phosphate, commercial, 25c. per 100 lbs.
Calcium chloride, flakes, $1.50 per ton.
liquor, 75c. per ton.
pellets, $1.35 per ton.
solid, $1.50 per ton.
Hypochlorite, $1.25, drums and cans.
phosphate, dibasic, USP, 25c. per 100 lbs.
monobasic, 30c. per 100 lbs.
tribasic, 25c. per 100 lbs.
Salt cake, $2 per ton.
Sodium phosphate, tetrapyro, 15c. per 100 lbs.
tripoly, 15c. per 100 lbs.
stannate, 3.2c. per lb.
Sulphuric acid, tankcars, 60-degree, $1.80 per ton.
66-degree, $2.10 per ton.
98 percent, $2.20 per ton.
fuming, $2.55 per ton.
carboys, 10c. per 100 lbs.
Tin chloride, 4.6c. per lb.
crystals, 2½c. per lb.
metal, 6c. per lb.
oxide, 7c. per lb.
sulphate, 9.4c. per lb.
tetrachloride, 3½c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 14, 1949
233.8	233.8	229.6	216.4	218.1

Acids

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 14, 1949
123.7	122.3	122.3	121.8	121.8

(*For Current Prices see Page 9*)

Ammoniac, Sal—White granular is coming along in good shape. The largest producing plant has resumed operations with production up to approximately two thirds capacity.

Ammonium Bicarbonate—Production is being gradually restored with the only producing plant up to about 50 percent of capacity. Importations eased the supply during the prolonged strike and bakeries were not seriously inconvenienced.

Calcium Chloride — Priced higher for spot and contracts in order to cover increased producing costs. Demand is increasing for ice control and the supply situation is tight. Cutback production during the Summer months has prevented the building up of inventories for Winter use. The breakdown is as follows:—flakes $25 per ton, liquor $10.50 per ton, solid $23.50 per ton all freight equalized with recognized competitive points. Pellets are $31.25 per ton f.o.b. the works. Receipts of 586,200 pounds of crude were received from Canada in July.

Calcium Hypochlorite—High test prices have been advanced effective immediately. The breakdown for 100-pound drums shows $29.85 per drum for one to 2 drum lots, 3 to 9 drums, $27.25; for 10 drums or more, $25.25. Cases of 9 five-pound cans, one case, $23; two to four cases, $21.28, and 5 or more cases, $21. All delivered east of Rockies. West of Rockies prices are f.o.b. stock points.

Calcium Phosphate — Dibasic USP is priced higher at $7 per 100 pounds for carlots works and mono is also higher at $6.05 per 100 pounds, works for 10,000 pounds or over. Tribasic was revised upward to $6.75 per 100 pounds for carlots at the works. The advances were attributed to higher producing costs.

Carbon Tetrachloride—Continues to be allocated to regular consumers by producers. The supply situation has remained exceedingly tight during the past two months. It was expected that shipments from a formerly strike-bound plant would get rolling this week but prospects for any substantial easement in stocks for the remainder of the year do not appear encouraging.

Chlorine — No easement in the tight supply is in sight at present. Former strike-bound plants have been slow in getting into operations owing to the time it takes to get electrolytic cells in condition. Demand is active from the various consuming industries and considerably in excess of current production.

Copper Sulphate—Available stocks continued tight with shipments being made from production at the expense of building up inventories. Industrial demand is exceedingly heavy and Florida is still buying for agricultural use. Export inquiry was active with actual sales restricted on account of the tight supply. It was stated that domestic orders placed now will be shipped in about four weeks.

Feldspar—Bureau of Mines states that production of crude feldspar in 1949 totaled 369,378 long tons, valued at $2,278,441, a sizable decrease in both quantity and value compared with 1948. Feldspar in 1949 was mined in thirteen states, compared with twelve in 1948, Texas again reporting a small output. Many of the merchant grinders mine their own feldspar, but a large part of the crude feldspar mined is obtained from small producers who sell their product principally to merchant mills. The quantity of feldspar and feldspathic rocks treated in flotation plants is growing. Some pottery and enamel manufacturers and soap (cleanser) makers purchase all or part of their requirements in crude form from domestic or Canadian miners and grind it to their own specifications in their own mills.

Output of ground feldspar by merchant mills in 1949 dropped 24 percent to 386,707 short tons. Ground feldspar was produced in fourteen states in 1949 compared with thirteen in 1948, California again reporting a small tonnage. All States except Georgia showed moderate to substantial declines in sales in 1949 as against 1948. The ceramic industries consumed 99 percent of the feldspar ground in merchant mills in 1949. Glass makers received 52 percent of total shipments; pottery manufacturers, 41 percent; enamel ware makers, 6 percent, and for other uses including soaps and abrasives, one percent. Shipments to glass and pottery factories declined sharply in 1949 but sales for enamel ware were slightly above the 1948 level.

Potash, Caustic—Stocks continued short with demand active and in excess of current production. Some material may come out of a formerly strike-bound plant this week where cell conditioning has taken considerable time. It will require a lot of production to level off the backlog that now exists and prospects favor a tight supply for some weeks ahead.

Potassium Carbonate—Active demand is keeping the market in a decidedly tight condition. Production should show a gradual increase from now on as a former strike-bound plant goes into operation, although any nearby improvement in buying conditions is not expected. Importations in July totaled 1,132,186 pounds, mostly from Sweden and Germany.

Salt Cake—Increased producing costs combined with a heavy demand from the kraft paper mills have resulted in the establishment of higher prices. Carlots in

For Late Market Developments, See Page 4

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bulk are now held at $17 per ton and at $23 in bags, f.o.b. the works.

Soda Ash—Shipments of both light and dense are getting underway from the formerly strike-bound plants and a steady increase in production is expected over the remainder of the month. Industrial demand is heavy and until output is restored to normal capacity, a tight supply will likely exist. Importations during the month of July totaled 4,370,920 pounds, all from Canada and the United Kingdom.

Soda, Caustic—Supply still tight but working towards improvement as production increases. Electrolytic cells are taking some time to get into operating condition after the prolonged strike but plants using the lime-soda process are steadily increasing output. Importations of 70,000 pounds from Sweden was recorded in July.

Sodium Nitrite — Meat-packers will be able to get more of this material in the not far distant future. Production at a formerly strike-bound plant has been increasing and is now said to be averaging 50 percent of capacity.

Sodium Phosphate — Tetrapyro priced higher at $7.05 for 100 pounds works for truckloads or over. Tripoly also advanced to $7.55 per 100 pounds works for truckloads or more. Supply position definitely tight due to the shortage of basic materials.

Sodium Stannate — Priced higher and based on metal at $1.11 per pound. Producers are short of stocks but name 61.4c. to 66.8c. per pound freight allowed East.

Tin Salts—With the metal selling at record high prices, the tin based chemicals have also soared to new high levels with producers short of stocks. The scarcity of chlorine has seriously affected the output of tin chloride which is the base for most of the tin salts. Based on tin at $1.11 per pound the breakdown is as follows:—chloride stannous 92.42c. to 93.42c. per pound, crystals hydrous 75½c., oxide $1.12½, sulphate stannous $1.03 and tetrachloride anhydrous 65c. per pound, all f.o.b. the works.

Acids

Acetic—Supply position for glacial is exceedingly tight with more demand than can be satisfied. Inquiry both directly and indirectly from the rayon mills has increased substantially and there is an active call for use in the manufacture of acetates. The market situation is strong with a tendency to advance.

Chromic — Available stocks tight with plating demand maintained at a high level. Prospects appear better for increased production as all the soda ash plants are now in operation.

Hydrofluosilicic—Production is keeping the market in balance and no shortages have developed to date. Demand is described as fair and is being leveled off without difficulty.

Muriatic — No easement in the supply condition could be noted last week. Production is under considerable pressure for shipments and available stocks have remained in a definitely tight position. The tone of the market has continued firm but no new price changes have been announced.

Oxalic — Stocks tight at present with current production unable to level off demand promptly. Some producers can consider shipments for late November, others are not in such a favorable position. Miscellaneous demand has picked-up substantially.

Sulphuric—Tankcars prices for all varieties have been advanced. The upward revision is primarily the result of higher producing costs occasioned by the sharp increase in the price of crude sulphur. Demand is holding at an abnormally high level and the supply situation has remained definitely tight. The breakdown shows 60-degrees at $16.20 to $16.65 per ton in tankcars, works; 66-degrees, $19.85 to $20; 98 percent, $21 to $21.30, and fuming, 20 percent at $22.40 per ton, all f.o.b. the works. Carboys are up 10c. per 100 pounds on each test.

Nonferrous Metals

Copper — Market shows considerable strength with future shipments commanding a premium over spot. Supply conditions have continued tight with no easement in industrial demand and producers undecided as to what effect the impact of defense orders will have. Sales for October to date are said to be close to 100,000 tons. At the close of the week, electrolytic was priced at 24½c. per pound, delivered, Valley or Midwest basis.

Lead—Buying interest was sustained at a satisfactory level and fully sufficient to easily absorb the daily intake. It was stated that October sales are running neck and neck with the preceding month which was the second best so far this year. The market was quoted firm for the common grade

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Quicksilver—Consuming demand continued active enough to hold the market firm at the recent advance. Sellers were not inclined to offer more than five flasks to a customer. The market closed strong at $96 per flask with the tendency still upward.

Silver—Maintained a steady position with demand and supply about equally divided. The price of bullion was unchanged at 72¾c. per ounce in the New York market. Imports of refined bullion for the week ending September 20 were 2,000,743 ounces.

Tin—French reverses in Indo-China fighting generated fear that Malaya production may be interrupted. This created a broader demand for the metal at London and Singapore and brought about a sharp advance in prices. As a consequence, the American market was higher, grade A establishing the highest level since May 1918. The prevailing price at the close of the week was $1.11½ per pound.

Zinc—With stocks on September 30 at the lowest level in twenty-five years and industrial demand still mounting, the market situation is decidedly firm. Prime western was unchanged at 17½c. per pound, East St. Louis basis.

American Zinc Institute placed stocks of slab zinc at 14,451 tons on September 1. Production during September was 71,057 tons, the lowest since February and compared with 73,399 in August. Domestic shipments were 70,556 tons, export and drawback, 2,580, and government account 2,005 tons, making total shipments 75,241 tons. Stocks on September 30 were down to 10,267 tons, the lowest in 25 years. Unfilled orders at the close of September totaled 69,062 tons. Daily average production for the month was 2,369 tons, against 2,368 in August and 2,384 tons over 1949. Stocks of prime western on September 30 were 2,799 tons, and production of this grade for the month was 32,874 tons.

Evans Leaves Newark Steel Drum

John J. Evans has resigned as sales manager from the Newark Steel Drum Company, Linden, N. J. He had been in that position with the company for eleven years. Mr. Evans stated that he would make his plans known in the very near future.

Higgins Reviews Impact Of Chemical Research

Products of Delaware chemical laboratories have had a far-reaching effect in American industries outside the state, Charles A. Higgins, president of Hercules Powder Company, Wilmington, Del., said in a recent address before a group of business paper editors on a two-day visit to the Hercules Experiment Station. Chemical developments flowing from the Wilmington laboratories have revolutionized the nation's plastic, lacquer, rayon, textile and synthetic rubber industries, Mr. Higgins said.

The importance of the changes wrought by the chemical research has been so great that no alert technical or business editor now can ignore the chemical laboratory and its impact upon the industry he covers, Mr. Higgins said. He cited new plastic materials, new methods of lacquer manufacture, the synthetic textile fibers and rubber materials as evidence that the products of the chemical industry lead to the radical developments of the nation's manufacturing industries.

The group of editors toured the Hercules Experiment Station on October 3, visiting the paper laboratory, varnish laboratory, rubber laboratory, plastics laboratory, explosives laboratory and other units. Following lunch at the Hercules Country Club, they saw a demonstration of spraying hot lacquer, and wound up their visit with a tour of the high pressure laboratory located on the grounds of the experiment station.

Trade Briefs

The National Council of Private Motor Truck Owners will hold its twelfth annual meeting February 1 to 2, 1951, at the Statler hotel, Washington, D. C.

National Safety Council, Chicago, has published six new training booklets for foremen and supervisors entitled, "Psychology of Safety in Supervision."

E. I. du Pont de Nemours & Co., Wilmington, Del., has doubled the life insurance coverage for most employees, raising the amount from $1,500 to $3,000 after five years of continuous service and boosting payments to totally and permanently disabled employees under the age of sixty.

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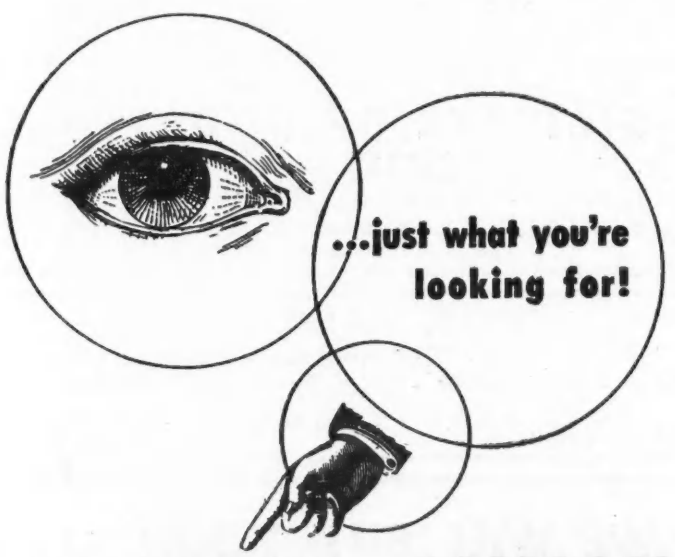

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Haldeman Wins '50 Midwest Chemical Achievement Medal

Professor William S. Haldeman, head of the chemistry department of Monmouth College, has been named winner of the 1950 Midwest Award for chemical achievement. Professor Haldeman, awarded the honor in recognition of both his educational and financial assistance to graduate students, will receive the gold medallion emblematic of the award at the November 6 dinner meeting of the sponsor, the St. Louis section of the American Chemical Society.

Gen. Aniline Names Williams

Virgil C. Williams has been appointed associate director of General Aniline & Film Corporation's central research laboratory at Easton, Pa. Mr. Williams will also be in charge of chemical engineering development. He was formerly head of the chemical engineering department at Northwestern University.

Aluminum Ass'n Publishes New Drafting Standards on Extrusions

A new manual of drafting standards for aluminum extrusions has been issued by the extruded products division of The Aluminum Association. Profusely illustrated and including many tables, the manual, which runs to fifty-two pages, begins with definitions and identifications of aluminum extruded products. It goes on to cover such topics as standard tolerances, proper dimensioning and standard abbreviations. Recommendations on arrangement and lettering of drawings are also given. Single copies may be obtained by request on business letterhead to the association, 420 Lexington avenue, New York 17.

Houston Chemical Club Elects 1950-51 Officers

Houston Chemical Club at a recent meeting elected A. S. Barada, jr., of Barada & Page, Inc., president of the organization for the 1950-'51 term. Other officers named with Mr. Barada were Stanley C. Morian, Dixie Chemical Company, vice-president, and S. O. Taylor, Solvay Sales Division, Allied Chemical & Dye Corporation, secretary-treasurer. Elected to the board of directors were W. J. Latimore, Grasselli Chemical Division, E. I. du Pont de Nemours & Co.; L. P. Thomas, Mathieson Chemical Corporation, and Earl J. Mills, district manager of Diamond Alkali Company.

Soda Ash Data Offered

The Wyoming Commerce and Industry Commission has published a booklet on the trona industry in the Inter-Mountain area. Reprints of the article, by G. F. Sharrard of the Westvaco Chemical Division, Food Machinery & Chemical Corporation, New York, may be obtained upon request to either the commission at Cheyenne, Wyo., or to Westvaco, 415 Lexington avenue, New York.

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Petroleum Derivatives

Petroleum toluol and xylol continued in their tight supply position during the period. Toluol was the tighter of the two but neither was anything like free. The demand held at the high levels that had been noted for some time. There was no change in the market for higher boilers. The demand was still running high against a supply that was far from free. Blends were about where they had been as to supply and demand. Pennsylvania crude was 10c. per barrel higher. The nation's average production fell 39,825 barrels in the week ended October 7.

The market for aliphatics showed no particular change. Demand was running to generally good levels and the supply was sufficient to accommodate the ordinary needs of consumers. However, it was said that should there be a sudden upswing in demand for some items, there might be considerable pressure placed on the supply. Prices were maintained all around, with no indications that there were any revisions in prospect.

Lighter fractions held to about the previously noted levels. LPG's were in a good position and as soon as the weather took a definite cold turn it was expected that the demand would go up. White mineral oils were without change during the period. Demand was good and was expected to hold that way. Paraffin was still in good demand, although supplies were not entirely free.

Solvents and Diluents

The supply of petroleum toluol and xylol continued on the tight side during the past week, and there were no indications that it would be otherwise for some time to come. Meanwhile, demand continued to be noted at a high rate, and there were no expectations of any falling off in the immediate future. Toluol was still tighter than xylol, but both were still far from a position of ready availability. The price listings remained unchanged during the week, and there were no true signs that there were any revisions planned for the immediate future.

Higher boilers were still in heavy demand, and this condition was expected to prevail for some time. The supply was none too free, and there seemed to be no signs that there would be any easing in the immediate future. The price structure was reported without change during the period. Blends were in good demand, but the supply was not great.

Cleaners' Naphtha—The supply was still strong enough to accommodate the normal needs of the market without any particular difficulty, although there was a bit more snugness than there had been some weeks back. The demand was continuing at good levels, and the indications were that it would go on that way. There were no changes in price and there were none anticipated for the immediate future.

Lacquer Diluent—While the item was not in what could be called an abundant position, it was still sufficiently strong to handle the normal needs of the market without any considerable difficulty. Demand was still holding at a good rate and was thought likely to go on that way. There were no changes in the price structure and there were none indicated for the foreseeable future.

Mineral Spirits—Pricewise this item was holding to its previously noted levels, and there were no suggestions of immediate changes. The demand was still holding up well, and the signs were that it would continue that way. The supply was good enough to fill the needs of the market without any trouble.

Rubber Solvent—The price structure was without change during the past week and there were no signs that there were any revisions in prospect at this time. The demand continued at a good rate, and the industry expected that it would go on that way, especially since next year would mark the reactivation of the government synthetic rubber program. Supply was high enough to fill the needs of the market without too much straining.

Stoddard Solvent—Supply was not long, and, while it could accommodate the market at this time, a heavy upsurge of orders would put a considerable strain on it. Demand held at previous levels and was expected to continue. There were no changes in price and there were no signs that there would be any in the immediate future.

V. M. & P. Naphtha—Supply was up to a high enough point to make the filling of orders not a difficult matter. Demand still was up to good levels, and appeared likely to stay there. The price structure was without feature. No changes were anticipated.

Lighter Fractions

Heptane—There was no shortage in the supply of this item and stocks were expected to hold at good levels during the immediate future at least. Demand was coming in at reasonably good levels. Pricewise, the market was without feature and no changes were expected immediately.

LPG's—Demand continued to be noted at good levels during the period, and the expected pickup in Winter demand was looked for just as soon as a definite break came in the weather. During mid-September, when the weather suddenly became cold, the demand increased, but fell off again with the warmer turn. Supplies were at a good point and could meet the demands of the market without any true difficulty. The were no changes in price reported during the week and there were none definitely indicated for the immediate future.

Waxes

Microcrystalline—While some of the lower melting point waxes were up in price during the period under review, there were no changes reported in the listings for the higher melts. The demand continued to hold at high levels and was likely to go on that way. The supply was tight and appeared likely to remain so.

Paraffin—Prices were unchanged last week and there were no indications that there would be any revisions immediately. The demand continued to be noted at good levels. Supplies were not what could be called freely available and there were no signs that there would be any immediate easing up.

Miscellaneous

Crude Oil—A 10c. per barrel advance in Pennsylvania upper and lower field crude oils was announced during the past week. This made lower field $3.67 and upper field $4.10.

White Mineral Oil—Supplies were said to be in a reasonably good position during the period and the demand was coming in at a good rate and was expected to go on that way. The price listings were holding and there were no signs that there were any revisions in prospect for the immediate future.

Los Angeles Petroleum Market

Supplies of solvents and diluents continue sufficient to meet present inquiry which remains at a good level.: Lacquer diluent quoted from 16.7c. to 20.7c. per gallon, tankwagon, extax, f.o.b. Los Angeles basin area. Cleaning solvents, including Stoddard, quoted from 15.7c. to 19.7c. per gallon, same basis.

Demand continues strong for L.P.G.' with tighter supplies reported for butane. Current listings are 6.3c. per gallon for butane, tankcars, f.o.b. Los Angeles and 5.8c. per gallon for propane, same basis.

Steady demand prevails for high melting point paraffin waxes. Supplies are reported adequate to cover present needs. Prices are without change as follows:—122/128 ASTM, carload, loose slabs, f.o.b. shippers refinery, San Francisco, 6.95c. per pound. 142/147 ASTM, same basis, 7.05c. per pound. 146/148 ASTM, same basis, 7.15 per pound. 157/162 ASTM, same basis, 7.8c. per pound. Tankcar prices quoted 6.55c., 6.65c., 6.75c. and 7.4c. per pound respectively.

Market Trends

Prices Advanced

Crude oil, Pennsylvania, upper and lower fields, 10c. per barrel.

Prices Reduced

None

(*For Current Prices see Page* 9)

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended September 30 totaled 241,631,000 barrels, according to the Bureau of Mines. Compared with the total of 239,641,000 barrels for the preceding week, this represents an increase of 1,990,000 barrels, comprising an increase of 2,570,000 barrels in stocks of domestic crude and a decrease of 580,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

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Crown Wax Number	Melting Point °F	Penetration 100 g., 5 sec.	Color N.P.A.	Acid Number	Sap. Number
200	190/195	10 max.	Bro-Blk	Nil	Nil
500	190/195	10 max.	2 to 2½	Nil	Nil
700	190/195	5 max.	2 to 2½	Nil	Nil
1035	195/200	2 max.	2 to 2½	Nil	Nil
23	180/185	4 max.	6 max.	20-25	55-65
36	180/185	8 max.	8 max.	30-35	85-95

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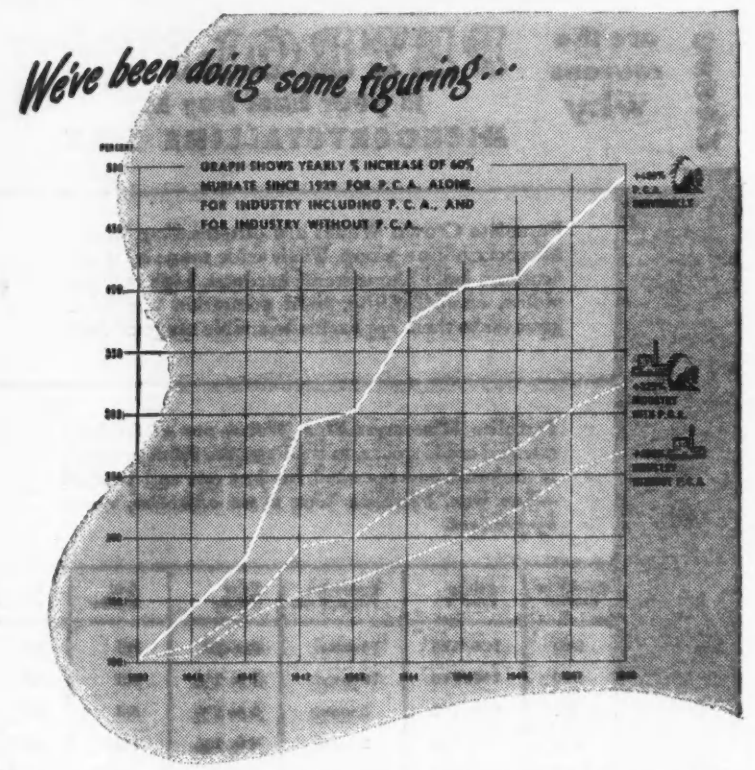
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Agricultural Chemicals

Scarcity of nitrogenous process tankage and an active demand have resulted in the establishment of higher prices. Castor pomace was also advanced to a new high for the year. This material has never been in free supply, while the sold up condition of output has kept supplies off the market for prolonged periods. Relaxation of feed demand was reflected in lower prices for both dried blood and tankage. Bone meal continued about steady and so did hoof meal. Menhaden meal held at the former price level, with production down with the close of the active season in sight.

Coke-oven ammonium sulphate maintained a comfortable position so far as domestic requirements were concerned. Synthetic sulphate for export remained scarce and firm, with demand active and requirements difficult to satisfy at the present time. There was more pressure for shipments of superphosphate in the Midwest than in the East. An advance in sulphuric acid has created a strong background to the superphosphate market. Inability to secure sufficient power has seriously affected production of cyanamide and shipments are running behind schedule. Potash production held at capacity levels with spasmodic shortages of boxcars not affecting the movement from works too seriously.

There was still a disposition to purchase BHC and DDT for future wants. Increased production of chlorine has brightened prospects for delivery a bit but there is no easement in sight for benzol, which holds a definitely tight position. Heavy industrial demand combined with increased purchases of copper sulphate by Florida consumers prevented production from leveling off requirements. Paradichlorobenzene is entering the active season in an exceedingly tight position on account of cutback production occasioned by a shortage of basic materials.

Market Trends

Prices Advanced

Castor pomace, $5 per ton.
Nitrogenous process tankage, 20c. to 50c. per unit of ammonia.

Prices Reduced

Dried blood, 50c. per unit of ammonia.
Tankage, 50c. per unit of ammonia.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 14, 1949
82.2	82.2	82.2	81.6	81.6

(*For Current Prices see Page 9*)

Nitrogenates

Ammonium Sulphate—August production of coke-oven sulphate was placed at 148,032,147 pounds by the Bureau of Mines. July output was 146,073,973 pounds and 133,251,400 pounds in August, 1949. Sales in August totaled 140,670,535 pounds, compared with 130,066,323 in the preceding month and 121,822,900 pounds in August, 1949. Stocks on August 31 were 132,033,144 pounds, against 125,109,102 on July 31, and 69,137,100 at the close of August last year. Demand for the coke-oven material has continued fair for domestic use, and is being supplied without difficulty at the former price range. Inquiry for converters' sulphate remained active for export, with the market tight and firm at $40 to $42 per ton, bulk, at Gulf ports.

Castor Pomace—Priced higher, with sales at $37.50 per ton in bags, carlots, works. Demand active, offerings limited.

Cyanamide — Curtailment of electric power in the producing area at Niagara Falls, Ontario, has seriously affected output, and the supply will contniue short unless additional power is provided.

Dried Blood—Priced lower in New York at $8.25 per unit of ammonia. Chicago, unchanged at $8.50. Feed demand slower.

Nitrogenous Process Tankage — Short stocks and an active demand have resulted in higher prices. The lowest contract price heard in the East is $4.10, bulk, per unit of ammonia, while sales in the West were reported at $4.50.

Sodium Nitrate—Market situation firm but without price change. Seasonal demand has been satisfied without difficulty. Supply situation comfortable.

Tankage—Sales at $8 per unit of ammonia were reported in the local market, a decline of 50c. Chicago was also lower at $8.50. Feed demand has slowed down.

Phosphates

Phosphate Rock — Contract shipments are going forward in seasonal volume, with prices holding steady. Export sales remained relatively quiet, although rumors were heard regarding a Japanese inquiry for approximately 120,000 tons. It was stated that this inquiry has been considered by foreign producers, but so far has not been placed.

In referring to last year's output, the Bureau of Mines states that, contrary to the trend in mine production, the quantity sold or used increased from 8,668,769 long tons in 1948 to 8,986,933 tons in 1949. Decreased sales of Idaho and Wyoming phosphate rock were more than compensated for by increases in Florida, Tennessee and Montana. The total value of the phosphate rock sold or used in 1949 rose to $51,415,027. The P_2O_5 content of the rock sold or used in 1949 increased to 2,913,796 long tons from 2,810,206 in 1948. This was a new record high, nearly 11,000 tons above the previous record of 1947 (2,903,082 tons).

Superphosphate—Shipments are holding at seasonal dimensions with the movement greater in the Midwestern than in the Eastern area. The market position is firm with the background strengthened by higher prices for sulphuric acid.

Under the long-term recovery program in Greece, production of superphosphate is scheduled to be increased to 40,000 metric tons in 1952 and the quality also will be improved. The program provides for construction of a fertilizer plant with an annual capacity of 36,000 tons. A loan has been approved for a new sulphuric-acid plant with an annual capacity of 50,000 tons of 100-percent acid.

Potashes

While producers are not getting all the boxcars they desire, the shortages to date have only temporarily interrupted the movement from works. Demand has continued at a high level and so has production. The market situation remains firm with shipments being made from output.

Pesticides

BHC—Continued tight with demand active for future shipment and for export account. Production for the first six months of this year totaled 23,566,000 pounds, compared with 7,550,000 for the same period in 1949.

2,4-D—Production in the first half of this year amounted to 6,655,000 pounds, compared with 10,855,000 for the same period in 1949.

Extension of the weed-killing program in Greece by the application of 2,4-D to 1 out of 10 stremma of wheat is estimated to have increased production by 200,000 metric tons, the Ministry of Agriculture states. [1 stremma=0.247 acre.]

DDT—Output was up 41 percent during the first six months of 1950. The total was 27,020,000 pounds. The effects of the chlorine shortage were reflected in the July forward months.

Paradichlorobenzene—Definitely in tight supply and strong at the late advance. Output has been seriously affected by shortages of both benzol and chlorine. Exports for the first half of 1950 totaled 928,000 pounds, mostly to Canada, compared with 1,202,000 for the same period last year.

Pyrethrum—Active demand throughout the season, particularly for grain protection has kept the supply short. Imports released for the month of June show 438,000 pounds, a low for any of the first six months. Total importations for the first half of 1950 were 5,248,000 pounds, approximately 400,000 less than for the corresponding period in 1949. It is stated that arrivals for the entire year are not likely to exceed the 10,000,000 pounds for 1949.

Rotenone—Supply was kept in fair balance with demand over the 1950 season. June importations were 683,000 pounds and the total from January through June amounted to 5,383,000 pounds, an increase of 40 percent over the same time in 1949.

Sulphur

Recent advance in prices had no tendency to slow down demand. The pressure for shipments continued at an exceedingly high level while supply conditions tightened. As previously stated, it has been necessary to curtail export sales in an effort to cover domestic requirements. Under such conditions the market holds a definitely strong position.

For Late Market Developments, See Page 4

Insecticide-Fertilizer Makers Told to Go Slowly

—Continued from page 3

Rohwer, who was another unscheduled speaker, pointed out that, because of these known adverse effects, the bureau has only recommended the use of these mixtures for certain soils and for certain crops.

Some of the things which producers and distributors must not overlook in offering these products on the market, Mr. Rohwer warned, is:—

"When insecticides are mixed with fertilizers, the product becomes an insecticide within the meaning of the insecticide, fungicide and rodenticide act, and subject to the restrictions and requirements of that act.

"That the insecticide ingredient has a shelf-life that has not yet been studied, and no one can state how long the insecticide will remain effective.

"It is known that the use of these mixtures has an effect on the taste and flavor of the crop that may remain for the next year's crop.

Consider Local Problems

"Let's not let our enthusiasm cloud these problems," he cautioned. "We must consider the local problems as well as the national. Local control and local mixing may be best for some situations. Let's go slow and test this new tool for agriculture thoroughly, in the interest of the farmers, the industry and consumers."

Mr. Fudge, in his address to the convention, reported that considerable progress has been made to bring about uniformity of state laws on pesticides. He urged control officials to make greater use of the office of the association's secretary in keeping each other advised on products on the market which are in violation of the law.

In view of the many new products that have been developed, Mr. Fudge said there is great need for much more information about the new pesticides than is now available. This information is necessary to the control official, he added, if he is to do his job properly. "If he doesn't do it, someone else will," he warned significantly.

He noted that the control officials have a double duty to perform; namely, to control the sale and use of dangerous pesticides while at the same recognize and encourage their use for the beneficial effects. The officials, he said, in their desire to assure safety in this field must not lose sight of the importance of pesticides in agriculture.

Newer Insecticides Problem

Dr. J. H. Townsend, chief of the industrial hygiene division of the Public Health Service, said that the problem associated with the handling of the newer insecticides cannot be overemphasized, but stressed the fact that the producers of these materials have shown by their own actions that they can be handled safely.

He said that much good work has been done cooperatively by industry and the government in disseminating information on the hazards of new insecticides, especially in the organic phosphate field, but the dangers in application of these materials are still very great and more educational work along this line must be done. He noted that some states are preparing orders that would prohibit the sale of some of these useful materials, and expressed the hope that the three interests—state and federal officials and the industry—can find some means of controling these materials so that absolute bans on sales will be unnecessary.

W. O. Buettner, executive secretary of the National Pest Control Association, deplored the efforts of some insecticide producers to stress the long lasting killing properties of their product while underemphasizing the toxic effects of the materials to the handlers.

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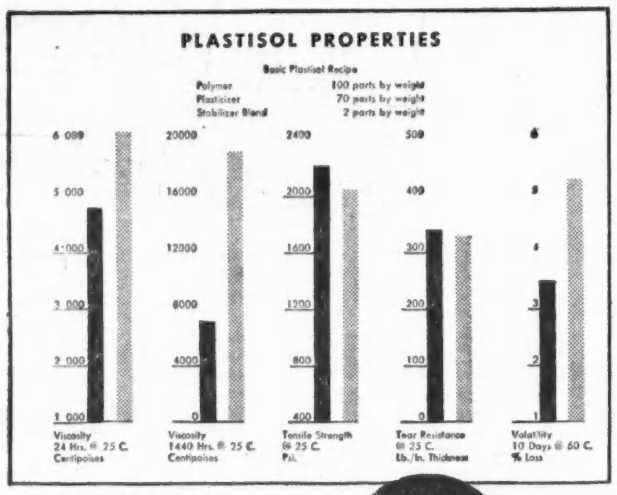

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Coaltar Chemicals

Shortages in virtually all basic products, except naphthalene, and in a wide range of intermediates were the distinguishing feature of the market in coaltar source chemicals. There were slight advances in the import markets amounting to 5 cents per gallon on ADF imported cresylic acid and ½ cent per pound on imported crude naphthalene.

Benzol was severely short, and some consumers were so desperate for material that they were inclined to pick up odd lots offered for resale at prices twice that of the domestic coaltar production. Phenol and styrene were very tight, reflecting the benzol scarcity, and the short supply position was consequently evident all down the line of benzol and phenolic derivatives. Hardest pressed of the derivatives were monochlorobenzene and anilin both of which are used for the manufacture of a wide variety of chemicals such as phenol and dyestuffs.

Creosote was in reasonably good supply. It was not tight, nor was it so free that there was any significant backing up of stocks. The wood preserving industry continued to take substantial quantities as it maintained preserving operations at a good level. Phthalic anhydride was still short.

The American Iron and Steel Institute reported production for the week ended October 14 at another all time high, the industry having attained peak outputs breaking all previous records for the third consecutive week. Operations last week were scheduled at 101.6 percent of theoretical capacity equivalent to 1,959,600 tons of ingots and castings, compared with 1,951,900 tons the previous week, and 172,000 tons one year ago.

Shipments of steel for the month of August made a monthly record of 6,326,500 tons, an increase of more than 1,400,000 tons over August of last year. During the first eight months of 1950, steel shipments totaled 46,559,000 tons, a record for any similar period, and in excess of 3,400,000 tons over the first eight months of 1949.

Market Trends

Prices Advanced

Acid, cresylic, imported, 5c. per gal.
Naphthalene, crude, imported, ½c. per gal.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 14, 1949
123.2	123.2	119.7	110.1	110.1

(*For Current Prices see Page* 9)

Basic Products

Benzol—Producers from both coaltar and petroleum sources were hard pressed to keep consumers supplied with the greater proportion of their immediate needs. The possibility of supplying all their needs was simply out of the question. Consequently, manufacturing consumers continued to allocate whatever benzol they were able to obtain, to their various products depending upon which were under the greatest pressure.

In addition they were augmenting the domestic supply in so far as possible by purchases abroad at fantastically high prices, and buying up odd lots wherever they could be found, sometimes at double the price of the domestically produced coaltar price level. Demand for benzol was running considerably in excess of supply, despite the fact that this year production of domestic coaltar source material was expected to exceed that of last year and be somewhere around 165,000,000 gallons.

Meanwhile observers were carefully watching labor contract negotiations in the steel industry, in the hope that there would be no breakdown in output.

Creosote—Operations of the wood preserving industry were said to be maintaining a good level of output, and this resulted in a sustained good demand for creosote. Supplies of creosote were described as quite adequate to meet the demand, but not so free as to be backing up in stocks anywhere along the line.

Prices were firm at the 20 cent per gallon level gradually established in the industry over recent weeks. Since early October the domestic material has moved at this price level, but there was some imported material believed to be moving under previously negotiated contracts at prices somewhat below this figure. However, for all practical purposes, the imported material tended to assume the price level of the domestic. Usually creosote shipped from gulf ports carried a ½ cent per gallon higher price than the domestic market. If that were not true in all cases at the present date, the situation was regarded as largely temporary.

Cresol—Prices were firm and unchanged in a market characterized by acute shortages, a situation which since July 1 has been made considerably worse by the long continued strike in the plant of a major tar distiller. Consumers were unable to get anywhere near their full requirements, and were having to fill out their needs with other cresylic materials wherever these could possibly be used.

Cresylic Acid — Supplies remained scarce, with producers operating under a backlog of orders. Imported material, in tight supply moved up another 5 cents per gallon, the going price currently being $1.15 to $1.20 per gallon. Shipments were hampered by the drum shortage in England. Domestic production was being maintained at a high level, but the effect of strikes in one section of the industry was being felt adversely.

Particularly scarce were the low boiling cresylics which were preferred for the manufacture of resins and plasticizers, but high boiling materials were also scarce, and the shortage of imported acid which normally took care of substantial amounts of the high boiling acid end uses, tended to exert more pressure on domestic high boil acids. Petroleum cresylics were likewise under heavy pressure of demand for most grades.

Naphthalene — Supplies had tightened up a bit, but were not considered as short. This was about the only basic coaltar product which was not short, due in large part to continued shipments of imported material from abroad under existing contracts.

However, imports of naphthalene were on the decline, some foreign sellers maintaining that they were sold up through the first quarter of 1951, and would have nothing to offer prior to the second quarter. While this might well be true of an occasional producer, the general feeling of importers was that most foreign sources were simply holding out for a higher price. As to prices, the imported naphthalene moved up another ½c. per pound, sales being reported at 5c. to 5¼c. per pound. But, as for regular trading in the item, there was very little being done, by virtue of the dearth of offerings from abroad.

Meanwhile, domestic material moved under a firm price structure, in which 74-degree naphthalene in tankcars was quoted at 5¼c. per pound, and the 78-degree material in tankcars at 5¾c. These domestic prices were on a freight-allowed basis, whereas the imported prices were not.

Phenol—Reflecting the benzol shortage, this item was exceedingly tight, and the shortages resulted in a scarcity of supply of a wide range of phenolic derivatives ranging from resins and adhesives down to a shortage of meta-aminophenol for making such pharmaceutical products as para-aminosalicylic acid.

There was no easing of supplies indicated in the immediate future, and even if phenol demand were to subside significantly the effect would hardly be noticed because of the increasing pressure of demand for the available benzol for the manufacture of styrene used in synthetic rubber and plastics.

Pyridin—Material moved promptly from production into consuming channels of established accounts, with virtually none left over for spot sale. The market was firm at the higher price levels established during the third quarter, and no further

Coke By-Products

Total estimate of by-product coke-oven operations in the week ended October 14 indicate the following output of by-products from that source:—

Ammonia liquid, NH_3	lbs.	955,402
Ammonia sulphate	lbs.	32,981,004
Benzol	gals.	3,219,574
Coaltar	gals.	14,658,124
Creosote oil	gals.	538,938
Naphthalene, crude	lbs.	2,002,418
Pyridin, refined	lbs.	23,557
Toluol	gals.	608,578
Xylol	gals.	157,052

For Late Market Developments, See Page 4

Here's complete information on KOPPERS Synthetic CHEMICALS

FOR COMMERCIAL PRODUCTION

Bulletin C-9-103 lists the properties, reactions and uses of 26 synthetic organic chemicals produced in commercial quantities by Koppers Chemical Division. Most of these chemicals have established commercial applications, but are of interest as well to research and development chemists. This bulletin describes the following products:

sec-Butylbenzene
Catechol
meta-Cresol
Diethylbenzene
Dihydroxydiphenyl Sulfone
Diphenylaminechlorarsine
Di-tert-butyl-meta-cresol
Di-tert-butyl-para-cresol
Divinylbenzene
Ethylbenzene
Hydrocyanic Acid
Hydrogen Cyanide, Industrial Grade
Isopropyl Phenols
beta-Methyl Umbelliferone
Mono-tert-butyl-meta-cresol
Nonyl Phenol
Penacolite ® Adhesives
Phenolsulfonic Acid
Phthalic Anhydride
Propiophenone
beta-Resorcylic Acid
Resorcinol
Sodium Sulfite
Styrene Monomer
Sulfuric Acid
Polystyrene

FOR RESEARCH AND DEVELOPMENT WORK

Bulletin C-9-139 describes the properties of a group of synthetic chemicals available in limited quantities from Koppers pilot plant operations. Each of these chemicals offers possibilities for further research and development work in your own laboratories. The following products, available in small lots of one pound or more at a nominal charge, are described in the bulletin.

Monoamyl-meta-Cresol
Diamyl-meta-Cresol
Mono-tert-Butyl-para-Cresol
Di-tert-Butyl-ortho-Cresol
ortho-tert-Butyl-ortho-Cresol
para-tert-Butyl-ortho-Cresol
para-Isopropyl Phenol
Mono-tert-Butyl-ortho-Isopropyl Phenol
Di-tert-Butyl-ortho-Isopropyl Phenol
ortho-(alpha-Phenethyl) Phenol
para-(alpha-Phenethyl) Phenol
ortho-(alpha-Phenethyl) para-Cresol
Phenethyl Resorcinols
Monochlororesorcinol

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price changes were expected to develop during the balance of the year.

Solvent Naphtha—Prices ranged from 28c. to 31c. per gallon, depending upon shipping point. Demand was far in excess of supply, and producers were under constant heavy pressure from a backlog of orders. No relief in the short supply position could be expected for the balance of this quarter, at least.

Toluol—No relief was in sight for the tight position of the market from an overall point of view. Heavy sustained demand was reported to be continuing unabated, and accounted for the general shortage. Coaltar source material particularly was in critical supply, output moving promptly into consuming channels of established accounts with none left over for spot sale. Prices of both coaltar and petroleum source material were firm and unchanged, with no immediate price adjustments being contemplated.

Xylol—Supplies were generally tight from a market-wide point of view. Coaltar source material was particularly short as is usually the case, but there was not enough xylol to meet all consuming needs, regardless of the source. Prices were steady, and expected to hold to current levels for the balance of the year. Orders for spot material were meeting with considerable delay.

Intermediates

Anilin—This market was characterized by heavy demand against tight supplies. The scarcity of anilin was a reflection of the critical benzol shortage, together with the shortage of chlorine which in a matter of a few weeks was expected to become more readily available.

Despite increasing raw material costs, anilin held to its level of 16 cents per pound in tankcars established in the third quarter. Meanwhile, benzol and chlorine were both up in price again, and iron filings were higher. These extra costs were currently being absorbed by the anilin manufacturer.

Meta-aminophenol — There was a real shortage of this item reported in the market, and the manufacture of para-aminosalicylic acid and its sodium salt therefrom was correspondingly hampered, and in short supply.

Monochlorobenzene — The market was characterized by a firm price position, despite significantly increased costs since the last price revision. Supplies were critically tight reflecting the acute shortage of both benzol and chlorine. The latter material was expected in a matter of weeks to be eased considerably by virtue of increased output following the settlement of strikes, but there was no indication of any let up in the serious shortage of benzol.

Orthochloroanilin—Supplies were short reflecting the scarcity of benzol and chlorine. Prices currently prevailing listed 10,000 pound lots at 60c. per pound, and lesser quantities at 70c.

Orthochloroparanitroanilin—The supply position of this item was adversely affected by the shortage of benzol and chlorine. Prices currently quoted on a delivered basis in drums listed the item at 66c. per pound.

Orthochlorophenol—The critical phenol supply and shortages of chlorine made the supply position of this item tight. Demand was reported as strong. Current quotations listed drum carlots at 29c. per pound and less than carlot drum quantities at 30c.

Orthoisopropylphenol—The market was characterized by a firm price position and a scarcity of supplies. Tankcars were listed at 28c. per pound on a freight equalized basis. Drum carlots were quoted at 29c., and less than carlot drum quantities at 30c.

Parachloro-orthonitroanilin — Prices on a freight allowed basis were quoted at 70c. per pound for drums. Demand was strong, against a limited supply which reflected the benzol and chlorine shortages.

Paraphenylphenol — This important intermediate was in short supply because of the phenol shortage, resulting from the benzol scarcity. Demand was strong and prices were firm at the higher levels established some months ago in which carlot bag quantities were quoted f.o.b. works at 31½c. per pound, and less than carlot bag quantities at 32½c.

Paratertiarybutylphenol — A firm tone prevailed in the market, with supplies reflecting the tight position of its basic raw materials, and prices were holding at the higher levels established last August.

Paratoluidin—On a freight allowed basis, barrels were quoted at 61 cents per pound in a firm market, unchanged in price since July. Demand was reported as strong. Supplies were on the short side.

Phthalic Anhydride—The market was

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characterized by good volume movement of material with producing plants operating at virtual capacity output. The heavy backlog of orders which had put heavy pressure on producers over recent weeks was reported to be subsiding in some quarters, and makers were beginning to catch up with deliveries.

Prices were still quoted over a 3 cent per pound spread, with bag carlots ranging from 17½c. to 20½c. per pound. Regardless of price schedules, however, all producers were readily disposing of all that they could make. Some makers were advancing prices 1½ cents per pound November 1, and others had done so October 1. Still others had made no announcement with respect to any price move above the 17½ cent level.

R Salt—Supplies were on the short side, reflecting the effects of the recent alkali strike. Prices of the paste on a dry basis were quoted at 83 cents per pound at which level they have remained firm since early August.

Styrene—The supply position of the monomer was one of real shortage because of the acute scarcity of benzol, and the heavy styrene requirements of the government's synthetic rubber program, which left less than normal supplies for use in plastics. Prices were firm at 18 cents per pound in tankcars, 19¼ cents in drum carlots, and 20¼ cents in less than carlot drum quantities.

Tariff Talks Criticized

—Continued from page 5

bein heads, is composed of some fifteen labor-management groups in various industries that are confronted with competitive imports. Among the industries represented by both management and labor in the Council are chemicals, fisheries, glassware, hats and millinery, pottery, wallpaper, matches, aluminum, book manufacturing and scientific apparatus.

State Department Unmoved

"No one will feel the Torquay operation under the anesthesia of the seller's market which has returned—at least for a time," Mr. Strackbein declared. "The State Department, in its eagerness to implement its theories and dogmas, will take advantage of the open season to charge full tilt against the evil windmills. No matter how it will contradict the government's avowed friendship for small business; no matter how it will counter the national minimum wage policy and the expressed condemnation of sweatshop competition; nor does it matter how grotesque it may be to guarantee farm prices while inviting low-priced imports of agricultural products. An obsession is an obsession, and the State department has been moonstruck with the idea of free trade."

"There is nothing that can be said today that will induce a change of direction or a change in pace in the State department's trade policy. The caution of common sense is useless. The voice of experience, of very recent and therefore very fresh experience, is suddenly forgotten. There hasn't been a new thought in the department since 1934 and that one was based on Adam Smith who wrote 150 years earlier. He wrote for the England of 1775.

Competitive Parity Asked

"What we ask is competitive parity of imports with our own products in this market. This is a wholly sensible and reasonable objective. The need arises from the wage gap that divides our wage standard from that of other countries. Except in the mass production industries our productivity is not far enough above that of our foreign competitors to offset the wage spread," Mr. Strackbein stated.

Saying that "while the current inflationary trends continue few people will complain about imports," he predicted that the Torquay "picnic" will produce future headaches that the State department will be the first to disown. "They have built up a whole lexicon of phrases for making such denials," he said.

Hilton-Davis Appoints Dye Agent for Mexico

Hilton-Davis Chemical Company Division, Sterling Drug, Inc., Cincinnati, Ohio, has appointed Vilar Brothers y Mejia, of Mexico City, to act as sales agent for the firm's line of dyestuffs and intermediates to the textile industry in Mexico. According to a company statement, the action marked the first time that Hilton-Davis had entered the Mexican textile field.

Supplies will be stocked at the Vilar firm's Mexico City headquarters at Apd. no. 118-V. Carranza 65 D. F. Juan B. Vilar will direct Hilton-Davis operations in that area. Associated with him will be Jose Vilar, president of the company, and R. Mejia.

Portland Gas & Coke Co. Names By-Product Mgr.

Portland Gas & Coke Company, Portland, Ore., has appointed Harold R. Seykota manager of by-product sales. Mr. Seykota worked for the International Filter Company prior to World War II. After the war he joined the Liquid Carbonic Corporation, constructing plans and plant additions in Seattle, Washington, and Brazil. More recently he was sales manager of the Coverse Company, Seattle.

Buffalo Electro-Chemical Offers Bulletin on Cold Steep Bleaching

Cold steep bleaching of wood pulp is described in a new bulletin of the Buffalo Electro-Chemical Company, Buffalo, N. Y. The process, carried out at high densities, makes for unusual bleaching efficiency on Kamyr, Rogers and similar machines. Separate mixing, retention and neutartlization facilities are not needed. Full details are given of the equipment, chemicals and methods used for treatment of groundwoods, unbleached sulphites, natural sulphites, semi-chemicals, and krafts (for super-bleaching).

Trade Briefs

Minneapolis-Honeywell Regulator Company, Philadelphia, Pa., has set up an independent sales organization for its valve division which is designed to give the concern national coverage.

James C. Totman, assistant manager of the Bangor, Me., office of Summers Fertilizer Company, Baltimore, Md., has been elected a representative to the state's legislature.

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Textile and Leather Chemicals

Movement of textile and leather chemicals into consuming channels is going forward at a good pace. Buying interest continued quite active, though the volume of business was not as heavy as several weeks ago. Prices ruled steady and unchanged.

Supplies of bichromates and sodium hydrosulphite continued tight, with producers reducing a backlog of orders as fast as possible. Other chemicals also were in good request, though supplies were adequate to meet requirements.

Consuming demand for sizing materials was active, mainly against former orders, with new business also reported in moderate volume. Corn dextrin and starch production was sold up and deliveries lagged several weeks behind schedules. Withdrawals of potato starch were active against recently placed orders and sales for immediate needs also were reported of good volume. Tapioca flour remained firm on spot and for shipment from primary centers. Sago flour for shipment was strong, due to heavy demand for foreign account. This has kept the spot situation strong.

There has been a noticeable let-down in demand for tanning material replacements. Although trading was slow, primary markets remained steady and shipments were maintained at prevailing quotations. Wattle bark and extract were firm for shipment, and offers continued light. Quebracho extract remained steady at primary centers, with tanners confining interest to prompt shipment. Other materials were inactive and quotably unchanged.

Cotton crop was estimated at 9,869,000 bales as of October 1, by the Department of Agriculture, slightly less than the September 1 forecast of 9,882,000 bales. Last year's production totaled 16,128,000 bales and the 1939-49 average was 11,599,000 bales. The department stated that prospective production was the smallest since 1934, except 1945 and 1946. Condition of the crop October 1 was placed at 64 percent of normal, against 68 percent September 1; 74 percent a year ago, and ten-year average of 72 percent. The department recently lifted all restrictions on production for 1951, in order to increase output, suspending marketing quotas and acreage allotments which contributed to reduce this year's production.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 14, 1949
247.7	247.7	255.1	286.0	307.8

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride—Market continued on a firm basis. Business was good for prompt delivery. Prices were unchanged and steady.

Bichromates—Demand was active and unsatisfied, due to limited available stocks. Production is still affected by the scarcity of soda ash. Sales were restricted to regular customers. Prices were unchanged and strong.

Chromium Acetate — Higher cost of other chromium chemicals also stiffened this item, and quotations recently were lifted 1c. per pound. Consuming demand was satisfactory at the higher schedule.

Sodium Acetate—Market remained firm. Trading was of good volume for prompt requirements. Diacetate also was firm at the recent advance.

Sodium Hydrosulphite — Supplies for prompt delivery were still limited, and the market strong. Consuming demand was active, with sales limited to regular customers. Quotations were well held at current levels.

Sulphonated Oils—Demand was reported moderate, chiefly for immediate needs. Quotations were without change and steady. Tallow and castor oil were unchanged and firm.

Sizing Materials

Blood Albumin—Steady consuming demand was reported for both albumin and dried soluble blood. Market firm at unchanged quotations.

Corn Dextrin—Firmness featured this market. Demand was active and production sold ahead. Deliveries against orders were several weeks behind schedule. Prices were unchanged and firm for all grades. Sellers accepted orders only at the price on the date of shipment.

Corn Starch—Active demand was reported for prompt delivery. Production was sold ahead, and deliveries were reported two weeks behind schedule. Prices were quotably unchanged and steady. Visible corn supply declined 985,000 bushels to 37,370,000 bushels for the week ended October 7, compared with 11,128,000 bushels for the corresponding week last year, according to the Chicago Board of Trade. Corn price support rates for the 1950 crop ranging from $1.36 to $1.64 per bushel in commercial corn counties and $1.02 to $1.30 in non-commercial counties, has been announced by the Department of Agriculture. Last year acreage allotments were not in effect for corn, and a support rate averaging 90 percent of the parity price was mandatory for all producing areas, making the national average support rate $1.40 per bushel. Under the 1950 program, loans and purchase agreements will be available to farmers from time of harvest thrugh May 31, 1951, and will mature on July 31, 1951.

Egg Albumen—Trading was restricted to immediate delivery. Volume of business was reported moderate. Prices were unchanged and steady. Edible flake was maintained at $1.28 to $1.30 per pound, depending upon quantity. Technical was in good request and scarcer. Prices ranged from 78c. to 80c. per pound, according to quality.

Egg Yolk—Buying interest was fairly active, with the bulk of sales for prompt requirements. Supplies were adequate cover demand. Market was steady and unchanged at $1.14 to $1.16 per pound, according to quantity. Chinese yolk was in fair request for actual needs and available at 87c. to 90c. per pound, according to quantity. The President's proclamation cancelling tariff concessions on Chinese yolk was awaited with great interest by the trade.

Potato Starch—Business continued active for immediate and prompt requirements. Market was steady at current levels. Carlots were maintained at 5c. per pound, carlots, f.o.b. Maine and Idaho. Small lots moved in good volume at 7½c. to 7¾c. per pound, ex-warehouse, according to quantity.

Sago Flour—High cost of shipment from primary market due to active demand for foreign account, kept the local situation strong. Supplies on the spot were light and maintained at 7¾c. to 8c. per pound, as to quantity, and 7½c. ex-dock.

Tapioca Flour—Market was firm here and abroad. Shipments from Brazil were maintained at former levels. Supplies on the spot were limited and closely held. High grades was quoted at 7½c. to 7¾c. per pound, as to quantity; medium, 7c. to 7¼c. and low, 6¼c. to 6¾c. Buying interest was active.

Tanning Materials

Chestnut Extract—Tanners absorbed fair sized quantities for prompt delivery. Market was firm and quotably unchanged. Imports totaled 1,480 bags at Atlantic ports last week.

Cutch—Offers for shipment were steady and maintained at current levels. Consuming inquiry was fairly active.

Mangrove Bark—Buying interest was light and restricted to prompt shipment from South America. Trading has been confined to South American bark for some time past because of the scarcity of available supplies from Africa, which have been readily taken by foreign buyers at prices well above the cost of the former.

Myrobalans—There was little doing in this material. Tanners limited interest to occasional small lots for immediate shipment. Prices were unchanged and steady. Arrivals at Atlantic ports totaled 3,670 bags last week.

Quebracho Extract—Although the volume of business has diminished, the market remained firm at prevailing quotations. Recent buying was heavy and tanners inventories are adequate to cover current requirements.

Valonia—Interest in replacements was reported inactive. Primary market was steady and prices of cups and extract were maintained at former levels. Imports of cups amounted to 635 bags at New York last week.

Wattle—Consuming inquiry for replacements continued active. Offerings of bark and extract for shipment were light and firmly maintained at prevailing quotations.

For Late Market Developments, See Page 4

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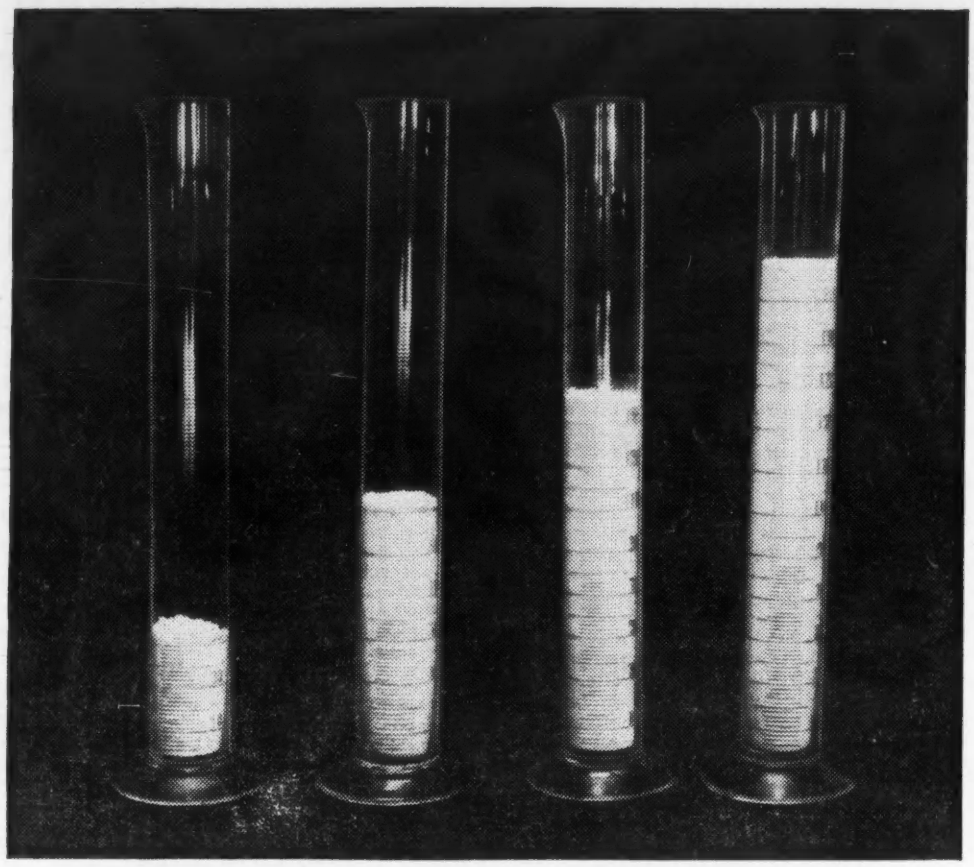

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Baker Chemicals

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Drugs and Fine Chemicals

Price advances were made by some producers of borax and boric acid by amounts of $2 and up per ton Aminophylline and theophylline were increased 50 cents per pound in some quarters and unchanged in others. Some producers of para-aminobenzoic acid advanced prices by $1.35 per pound, but the change was not as yet general throughout the market.

Menthol eased considerably last week, the spot market dropping 50 cents per pound as a result of the greater availability of supplies. Benzocaine advanced 25 cents per pound reflecting an accumulation of increased raw material costs, particularly benzol, which had undergone repeated price advances since the last upward adjustment in benzocaine prices. The index declined 1.5 points, becoming 260.2.

There was no change to report in the glycerin market, since prices stayed at their peculiar pattern in which different producers quoted widely different price schedules on refined, and crude which was priced fantastically high, was reportedly meeting with some resistance in recent days. The scarcity of glycerin remained acute.

Alcohol was still critically short, and this market, too, was characterized by a price spread between different producers of some 35 cents per gallon, with some producer price listings falling at almost every 5 cent interval between the spread. Stocks were abnormally low on all grades.

In consequence of the alcohol shortage, ester solvents were likewise scarce and fermentation source materials high in price, reflecting high cost of production stemming from high cost materials.

Fusel oil was so scarce that it could hardly be had, and what was available was bid up to quite high levels, as a result of which amyl acetate was both high priced and in short supply.

Trading in codliver oil on the spot market had slowed considerably following the liberal buying induced by the Korean war scare and reports of primary market shortages. Agar was moving in a soft market.

Agar—Importers indicated a rather narrow and entirely routine interest on the part of major buyers of spot goods. Stocks were not unduly large here and conditions at the origin failed to suggest the presence of a surplus there. Prices were reasonably steady on the surface but some quarters thought that the quotations were occasionally being shaded when made under highly competitive circumstances.

Alcohol—There was nothing new to report in this exceedingly tight market, and it was still characterized by a wide range of price quotations based on various producing costs, depending upon the source from which it was being made. Some producers quoted 50 cents per gallon, some 55 cents, some 60 cents, some 65 cents, and some as high as 85 cents per gallon on pure in tankcars. This wide array of prices ranged from molasses to straight grain alcohol, and included synthetic at medium to low price levels, as well as some blended alcohols in which molasses produced material was mixed with grain alcohol, and prices adjusted accordingly.

The Alcohol Tax Unit, Bureau of Internal Revenue, Treasury Department, on October 9 released data on the supply, production, withdrawals, and stocks of ethyl, completely denatured and specially denatured alcohol during the month of August, 1950, in comparison with August, 1949:—

Production

	Proof gallons	
	1950	1949
Ethyl	33,097,626	26,659,751
*Completely denatured	217,631	705,218
*Specially denatured	17,515,690	11,608,353

Withdrawals

	Wine gallons	
	1950	1949
†Ethyl, tax paid	6,928,034	3,587,401
tax free	28,123,893	25,440,989
*Completely denatured	232,936	571,429
*Specially denatured	16,886,612	11,878,872

Stocks

	Gallons	
	1950	1949
†Ethyl	24,579,854	56,574,543
*Completely denatured	51,487	243,591
*Specially denatured	3,147,593	7,882,565

† Wine gallons. * Proof gallon.

According to the Alcohol Tax Unit, materials used in industrial alcohol plants in the Augusts of 1950 and 1949 were as follows:—

	Pounds	
	1950	1949
Corn and corn products	11,621,698	1,297,722
Rye and rye products	.....	.....
Malt and malt products	6,865,515	623,340
Wheat and wheat products	.....	4,319,750
Sorghum grain and sorghum grain products	65,740,421	1,877,807
Total grain	84,227,637	8,118,619
Potatoes & potato products	.....	.....
Ethylene gas	5,407,241	4,740,841
Other materials	326,931	305,260
	Wine gallons	
	1950	1949
Molasses	11,612,756	14,120,111
Ethyl sulphate	11,988,976	8,796,211
Sulphite liquors	21,592,300	12,518,700
Other materials	2,935,057	2,441,771
*Products used in distillation	1,689,500	2,868,649

* Proof gallon.

Market Trends

Prices Advanced

Benzocaine, 25c. per lb.

Prices Reduced

Menthol, 50c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 14, 1949
260.2	261.7	262.5	254.4	257.1

(*For Current Prices see Page 9*)

Allyl Alcohol—Continued good demand for this item, under a firm price position, characterized this market. Tankcars were quoted at 30c. per pound, drum carlots at 31¾c., and less than carlot drum quantities at 32½c. Supplies were generally regarded as adequate.

Aminophylline—In some quarters this item was advanced 50c. per pound, bringing it to $5.85 per pound in 100-pound lots. However, the old price of $5.35 still prevailed in some sections of the market, and whether or not the market would move up generally was uncertain at presstime.

Amyl Acetate—The supply position of this item, in all grades of fermentation source material, was charcaterized by a continued acute scarcity, reflecting the dearth of fusel oil supplies. Prices were of necessity high because of the very high price level to which crude fusel oil had been bid in a tight market.

Benzocaine—Reflecting accumulated increased raw material costs, particularly repeated advances in benzol since the latest upward revision of this analgesic, prices were advanced 25c. per pound effective in early October. This brought the current quotations to $3.50 per pound in 100 pound drums, and in 25 and 50 pound drums, the price was quoted at $3.60 to $3.62 per pound. Smaller lots were proportionately higher, lots of 5 to 10 pounds being quoted at $3.70 per pound, and 1 pound packages at $3.85. In some sections of the market the small packages were quoted slightly above these figures.

Borax—One producer announced price increases of various amounts, depending upon the grade, effective October 15. Actual price increases on a bulk carlot basis amounted to $2 per ton on hydrous borax, and $3.50 per ton on anhydrous borax. Other producers had not gone along with the price advance as of presstime, but had the matter under advisement, and a decision as to their upward price adjustments was expected to become clarified in the immediate future.

Under the new higher price schedule, fine granulated borax in bulk was quoted at $33.25 per ton, anhydrous borax at $67.50 per ton, and special grades and products were advanced accordingly. Because the prices current section of OPD lists prices as of presstime Friday, these quotations are not reflected in the present issue, but will appear in detail in the next issue.

Boric Acid—After a price advance of $2.50 per ton by one maker, effective October 15, this producer's price schedule quoted granular material in bulk at $89.25 per ton. Anhydrous acid in paper bags was quoted at $350 per ton. Detailed price quotations will appear in the next issue of OPD, since they were not effective as of presstime Friday.

Butyl Acetate—Normal acetate was in short supply in all quarters, and the price pattern was unchanged from levels which have prevailed in the market over recent weeks, in which fermentation source material was quoted over a range, and at levels in excess of the synthetic production by virtue of higher costs.

Camphor—Slightly unseasonal weather has hampered the development of that demand usually arriving with the advent of late Fall and the nearing Winter. Consumption for strictly technical purposes, however, has proceeded in normal fashion and volume at price levels recently

For Late Market Developments, See Page 4

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reached by means of an advance. Most current requirements were met with fair promptness.

Castor Oil—The market was firm in its present price position. Beans were quoted at around $172 per long ton for Brazilian and around $185 per ton for Indian.

Imports last week amounted to 23,181 bags equivalent to 3,477,150 pounds, compared with 61,523 bags or 9,228,450 pounds the previous week, and 71,011 bags or 10,651,650 pounds during the corresponding week of 1949.

Total imports since January 1 of this year amounted to 1,089,550 bags equivalent to 163,432,500 pounds, compared with 1,343,791 bags or 201,568,650 pounds during the corresponding period of last year.

Citric Acid—The cost of manufacturing via the fermentation process has increased substantially with the sharp rise in prices paid for the not too readily obtained raw material. However, it should be recalled that current prices have been guaranteed to remain in force for one year. The season when demand usually undergoes contraction is well developed now and that fact aids in keeping supplies equal to manufacturing needs.

Codliver Oil—Little was offered from the origins last week and prices were firm at all such points. Demand for spot goods was conservative for the most part, numerous consumers having bought so liberally under the influence of the Korean war that they are now out of the market, probably for some time to come unless another scare shall develop. Fair stocks have been obtained by some import agents and holders of such material are urging buyers to exercise restraint in their approach to the market so that the already strong and upward tending foreign sources of supply will be more disposed to hold prices level than to force them higher on the development of unusual calls from foreign parts.

Desoxycholic Acid — Prices tended to range rather widely in this market, but the best information at hand appeared to be that the material was currently moving at prices in the range of $22 to $25 per pound, reflecting the higher price of basic raw materials such as ox gall and dehydrocholic acid. Supplies were generally tight so far as significant quantities were concerned. Small lots could be procured without too much difficulty, but it was hard to get any substantial quantity. This was in part due to the heavy demand for the production of cortisone.

Di-isobutylene — Prices in the current market quoted this item at 7½c. per pound in tankcars, 9¼c. in drum carlots, and 10c. in less than carlot drum quantities.

Ditertiarybutyl Peroxide — This item was firmly quoted at $2 per pound in drum quantities. The material was in ample supply, but was being viewed with growing interest in the organic chemical industry as a high temperature catalyst, particularly for synthetic resin polymerization reactions.

Epichlorohydrin — This market was steady, with prices unchanged from levels which have been in effect over a long period. Tankcars were quoted at 35c. per pound, drum carlots at 36¾c., and less than carlot drum quantities at 37½c.

Formaldehyde — Supplies of this item were mildly tight in certain quarters, but

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amply available in others, resulting in an overall market supply position of adequate supplies by virtue of the large plant capacity of the country and plenty of raw materials for its manufacture by either the methanol or the petroleum gas oxidation process. Prices were firm and well held at the higher fourth quarter levels established October 1.

Gelatin—The total August output of non-photographic gelatin was reported by the Bureau of Census as 3,112,612 pounds, compared with the revised production figure for July of 2,163,239 pounds. August shipments of gelatin amounted to 3,831,944 pounds, leaving stocks at the end of the month of 4,426,299 pounds.

Silver label gelatin was still listed at $1.15 per pound in case lots. This imported material was generally adequate in supply.

Glycerin—There was no change in the glycerin market either with respect to price quotations or the tight supply position. Crude prices remained up in the air, but were reportedly meeting with some resistance.

Hexyleneglycol — Like all glycol materials, this item was reported in good demand. Prices were firm, however, at previously established levels in which tankcars were quoted at 12½c. per pound, drum carlots at 14½c., and less than carlot drum quantities at 15c. While not under the heavy pressure of demand that characterized the ethylene and propylene glycol markets, the demand for this was good.

Isopropyl Alcohol—The demand for this item was reportedly well sustained at the good levels which have characterized the market over recent months. Prices were firm at the higher levels established in the third quarter, in which the 91 percent grade was quoted in tankcars at 37c. per gallon, the 95 percent grade at 38½c., and the 99 percent grade at 40c. The usual differentials for carlot and less carlot drum quantities prevailed.

Menthol—The spot market was weak and spongy last week. Quotations developed at $12 to $12.10 per pound for spot goods and well informed suppliers declared that there would be no difficulty in getting menthol delivered at $12. New crop is being shipped from China and other sources of supply are in competition with that origin. And such competition seems likely to increase. The menthol manufacturers in China have a guild through which some attempt is being made to stabilize prices. Also, the government strives to hold shipment quotations level through such support as its orders may create. But the fact last week was that the market was still moving in favor of buyers in this country—and such buyers displayed practically no interest in local proposals.

Methylethyl Ketone — Expanded post war plant capacity had resulted in preventing a scarcity of supplies under the currently heavy demand upon the market. Under present physical volume of demand the item was still not tight and was being delivered with reasonable prompt shipment, not allowing the wartime high priced black market to develop. The heavy demand was due in part to the large volume operations of consuming industries, and also in considerable part to the scarcity of ester solvents and their higher price which tended to cause some shifting of consumption in the direction of the ketones. Prices were currently quoted on methylethyl ketone at 10c. per pound in tankcars, 11¾c. in drum carlots, and 12½c. in less than carlot drum quantities.

Methylisobutyl Ketone—Demand was at a high level and was expected to be well sustained at current levels for the balance of the year. The high price as well as the scarcity of ester solvents had led to an increased pressure of demand on this and related ketone solvents. Supplies were generally regarded as keeping in fair balance with demand. Tankcars were quoted at 12c. per pound, drum carlots at 13¾c., and less than carlot drum quantities at 14¼c.

Milk Powder — Purchases by CCC for the week ended October 5 included 1,241,-818 pounds of skimmed milk powder of which 1,106,416 pounds was spray process material and the balance roller process material. This brought total government purchases of skimmed milk powder so far this year to 346,261,006 pounds, compared with purchases of 252,749,605 pounds during the corresponding period of last year.

Santonin—Stocks of domestic material continued to be moderate in size, sufficiently so to make for a strongly maintained price position.

It has been learned that the Japanese are in a position to manufacture santonin for their large home requirement. In the past, Japan has been a very large buyer of Russian santonin and mainly because Russia had a virtual monopoly on large scale production from the *artemisia maritima* and related species of *flores cinae*, or santonica. Japan is importing from Taiwan (Formosa) a seaweed called *Kaininsox* from which santonin is being extracted. By action on September 13 by the Bank of Taiwan, the floor price on kainin-so was revised to 40c. per pound in United States dollars, the price to apply on kainin-so shipped to Japan.

Para-aminobenzoic Acid — Some producers made sharp advances in this item, but others still continued to quote the old price. This left a range of quotations between different producers in the market in which 100-pound quantities were listed at $3.75 to $5.10 per pound, and smaller quantities varied accordingly.

Theophylline—Some producers advanced prices 50c. per pound, bringing 100-pound lots to $6 per pound. However, by press-time the price advance had not become general in the market, since some producers were still quoting the old price of $5.50 per pound.

CSC Adds Gwinner to Staff

Walter C. Gwinner has joined the technical service division in the New York office of Commercial Solvents Corporation. Mr. Gwinner was previously in the research department of American Cyanamid Company, New York.

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U.S. Revenue Returns Increased in August

Collections of internal revenue in the United States during August totaled $3,649,622,285.20, as compared with $3,100,847,029.74 in the corresponding month of last year, according to the Bureau of Internal Revenue of the Treasury Department. Among the collections reported by the bureau were the following:—

	August 1950	August 1949
Coconut and other vegetable oils processed	$1,723,041.07	$1,865,961.06
Distilled spirits, domestic, excise tax	211,537,459.49	104,051,303.45
Distilled spirits, imported, excise tax	17,066,515.39	9,852,382.36
Gasoline	52,018,883.35	49,116,140.10
Lubricating oils	9,971,709.48	10,268,253.86
Matches	468,869.92	945,734.83
Narcotics, including marihuana and special taxes	49,352.85	38,399.34
Oleomargarine, including special taxes	6,600.52	3,039,998.89
Silver bullion sales or transfers, stamp tax	6,858.55	6,661.17
Sugar	10,893,798.57	9,268,241.21
Toilet preparations, excise tax	9,671,335.08	7,807,221.73
Transportation of oil by pipeline	2,105,304.28	1,811,875.04

Philadelphia Chemical Club Slates Golf Outing Oct. 18

The Chemical Club of Philadelphia will hold its regular monthly golf outing and dinner on October 18 at the St. Savis Country Club, Wayne, Pa. There will be awards made to the best and poorest golfers, and door prizes will be distributed to those not playing golf.

Cellulose Esters Brochure Offered by Tenn. Eastman

Tennessee Eastman Corporation, Kingsport, Tenn., has released a new edition of *Eastman Cellulose Esters.* This fifty-nine-page book includes comprehensive and detailed information covering uses and specifications of Eastman cellulose esters, the compatibility of these esters with solvents, resins and plasticizers, and procedures of analysis.

It is primarily a laboratory manual for those interested in using cellulose esters in applications such as textile coatings and impregnations, paper coatings and impregnations, lacquers, molding compositions, paint and lacquer removers, photographic film sheeting, laminated foil, tape and thread, protective strippable coatings and synthetic fibers.

Farchan Publishes Price List

The Farchan Research Laboratories, Cleveland, Ohio, has published a new fine and research chemicals price list (S-2). Among the chemicals offered by the concern in commercial quantities are w-bromundecylic acid, o-chlorocyclohexanone, tetrahydrophthalimide and sodium amide. Also listed are such rare organics as 3-acetylpyridine, gamma-pyridone, high purity cis and trans olefins. Copies may be obtained upon request to Farchan, 609 East 127th street, Cleveland 8.

Brookfield Has Viscometer Adapter

Brookfield Engineering Laboratories, Inc., Stoughton, Mass., has developed an adapter for its "LV Model Brookfield Viscometer." Called the "UL Adapter," the attachment is said to make possible precise measurements in ultra-low viscosity ranges. Features and method of operations of the adapter are described in a data sheet (034), which is available upon request to Brookfield.

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Morningstar, Nicol Opens Charlotte, N. C., Office

Morningstar, Nicol, Inc., New York, has opened a sales and technical service office at 825 West Morehead street, Charlotte, N. C. The telephone number is Carolina 6-3977. The office, consisting of a three-man staff, will provide sales and service coverage of North and South Carolina and parts of Virginia, Georgia and eastern Tennessee.

Frank Martin will handle the Morningstar line of tapioca flour, potato starch, corn dextrin and dry adhesive products. Milton F. Lenz will specialize in the line of prepared glues, pastes and resin adhesives produced by Paisley Products, Inc., a Morningstar, Nicol subsidiary. Lee Kritzer will provide technical sales service on textile sizings, oils, softeners and related specialty products.

Monsanto Promotes Three

Dr. Roy E. Morse, food technologist at Monsanto Chemical Company's food technology laboratory at Anniston, Ala., has been made research group leader. At the same time, F. E. Hubbard and T. W. Schilb have been promoted to senior group leaders. Dr. Morse will be in charge of the food technology and baking laboratories. Mr. Schilb will act in an advisory capacity to these laboratories and also will supervise the detergents application group. Mr. Hubbard will continue in general supervision of research in phosphate sales and will act as consultant to other groups on phosphate salt problems.

Temple Schedules Technical Report Writing, Biochemistry Short Courses

The management service division of Temple University, Philadelphia, has scheduled ten-session courses in technical report writing and biochemistry, designed specifically for personnel in chemical and pharmaceutical manufacturing firms. The technical report writing course, which will meet on consecutive Tuesday evenings starting October 17 and ending December 19, will be conducted by Florence E. Wall, consulting chemist and in research and technical writing, specializing in cosmetics and cosmetology. The biochemistry course, which will meet on consecutive Wednesday evenings starting October 18 and ending December 20, will be conducted by Dr. Sidney Weinhouse, head of the department of metabolic chemistry at the Institute for Cancer Research, Philadelphia.

Ceylon Offering Quinine To American Importers

The Department of Industries of the Ceylon Government has made available for export 3,200 pound of standard grade quinine sulphate or bisulphate powder, specifications B. P. 1932 and 1948, and 2,500 pounds of standard grade cinchona febrifuge. It is understood that delivery can be made within four weeks of receipt of order.

Interested American importers are invited to contact the Department of Industries, Ceylon Government, P. O. Box 580, Colombo, Ceylon, indicating specifications and standard packing of these commodities for import into the United States.

Fine Chemical Adds Two

Fine Chemical Company, New York, has added Ruth Fuchsman to its staff as assistant to the head of the essential oil and aromatic chemical department. At the same time, the concern announced that Selma Stamler, who at one time was connected with Fine Chemical for three years, has returned to the firm as head of industrial chemicals.

Romania Revises Import Rules

The Romanian government has made a slight alteration in its procedure covering the shipment of medicines to that country. Four notarized copies of an invoice covering the shipment must be submitted for legalizing to the Romanian Legation, 1601 23rd street, N. W., Washington 8, D. C., rather than three as formerly required, according to information supplied by the legation. The fourth copy is required for legation records. Other procedure for sending medicines and the amount of the legalizing fee remain unchanged.

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ECA Announces Additional Procurement Authorizations

Procurement authorizations issued to Marshall Plan countries by the Economic Cooperation Administration during the period October 6 to 11 included the following:—

To Austria, $100,000 for chemicals and chemical preparations from the United States, and $250,000 for hides and skins from Latin America.

To Belgium-Luxemburg—$600,000 for tallow and other animal fats and oils from the United States.

To Denmark—$325,000 for chemicals and $50,000 for medicinal preparations from the United States.

To France—$560,000 for chemicals, $80,000 for alcohol, $42,000 for tallow, $38,000 for soybean oil, $20,000 for whale and fish oils, $582,000 for nonmetallic minerals, $370,000 for medicinal preparations and $367,000 for industrial chemicals from the United States; $500,000 for nonmetallic minerals, and $20,000 for industrial chemicals from Canada.

To French North Africa—$75,000 for chemicals and $22,000 for nonmetallic minerals from the United States.

To Greece—$500,000 for hides and skins from Latin America.

To Germany—$450,000 for industrial chemicals other than alcohol, $750,000 for other chemical preparations, $400,000 for whale and fish oil and $150,000 for nonmetallic minerals from the United States.

To Ireland—$840,000 for petroleum from Latin America.

To Netherlands—$256,000 for chemical preparations and $60,000 for industrial chemicals other than alcohol from the United States; $200,000 for nonferrous ores and concentrates and $31,000 for hides and skins from Latin America.

To Portugal—$22,000 for nickel products from the United States and $150,000 for nonmetallic minerals from Canada.

To United Kingdom—$1,000,000 for petroleum from the United States and $2,000,000 for petroleum from Latin America.

Gen. Aniline Making Six New Chemicals

General Aniline & Film Corporation, New York, has placed seven new chemicals on the market. They are polyvinyl pyrrolidone, polyvinyl methylether, "Agent 460-BR," butynediol, "Agent 460-AL" and "Agent 377".

Polyvinyl pyrrolidone, an acetylene derivative which has been used in Europe as a blood plasma substitute, is being marketed from the Grasselli, N. J., plant in lots up to 100 pounds. Polyvinyl methylether, useful in the synthesis of pharmaceuticals, is available in carload lots. Butynediol, an acetylene glycol, is being offered in limited commercial quantities.

"Agent 460-BR" is a surface active agent, which is said to be not only an effective detergent and emulsifying agent, but also a corrosion inhibitor. "Agent 460-AL" is also a surface active agent with emulsifying and detergent properties, which, in addition, is claimed to be an effective rust cleaner. "Agent 377" is described as one of a series of non-ionic surface active agents having foaming, wetting and detergent properties of varying strengths.

Chi. Candy Technologists To Hold Meeting Oct. 26

The Chicago group of the American Association of Candy Technologists will hold a meeting October 26 at the Furniture Club of America, 606 Walker drive, Chicago, Ill. Norman W. Kempf, director of research of the Walter Baker Chocolate & Cocoa Company, Dorechester, Mass., will speak on chocolate and will show motion pictures taken on his trip to inspect chocolate plantations.

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2 Chloro-5-Nitrobenzenesulfonamide
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Bids Wanted

Alcohol, 900 drums, butyl, 672 bottles, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 376, October 23.

Biologics and drugs, including diphtheria toxoid, penicillinase, scarlet fever streptococcus, tetanus antitoxoid, thrombin, thromboplastin, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 379, October 20; digitonin, aminophylline tablets, invitation 377, October 20.

Calcium chloride, hydrated, 80,000 pounds, Army Quartermaster (Fort Lewis, Wash.) invitation 60, October 26.

Calcium hypochlorite, 49,920 pounds, Veterans Administration (Washington 25) invitation S-91, October 23.

Coal tar, liquid, 40,000 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,935, October 31.

Detergent, dishwashing, 1,200 pounds, Federal Supply Service (Chicago 6) invitation CH-27057, October 23; 11,800 pounds, Federal Supply Service (P.O.B. 5127, Cleveland) invitation CL-804-51, October 18: 392,600 pounds, various deliveries, Veterans Administration (Washington 25) invitation S-93, October 30.

Diatomaceous silica, filter aid, 30,000 pounds, Army Engineers Corps (180 New Montgomery street, San Francisco) invitation ENG-365, October 18.

Disodium phosphate, 260,000 pounds, Navy Purchasing Office (New York 3) invitation 8343, October 24.

Drier, concentrated lead naphthenate solution, 8,000 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,633, October 27.

Filler, wood plastic, 1,000 pounds, U. S. Air Force (Tinker Base, Oklahoma City) invitation 216, October 18.

Fire extinguisher charge: foam, 350 gallons, U. S. Air Force (Tinker Base, Oklahoma City) invitation 212, October 18; liquid, 2,000 containers, Federal Supply Service (Chicago 6) invitation CH-27059, October 19; 312 2½-gallons charges, Federal Supply Service (P.O.B. 5127, Cleveland) invitation CL-842-51, October 23; liquid, 504 quarts, invitation CL-798-51, October 23.

Hydraulic oil, gear, 40,000 gallons, Navy Purchasing Office (New York 3) invitation 7339, October 30.

Linseed oil, boiled, 8,748 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,947, October 26; 1,275 gallons, Federal Supply Service (Washington 25) invitation 5G-93347-R, October 17.

Paint and allied products: paint, various, 1,250 gallons, U. S. Air Force (Mitchel Base, N. Y.) invitation 31, October 20; enamel, 1,500 gallons, Public Buildings Service (Washington 25) invitation 354, October 23; paint, interior, 16,000 gallons, primer sealer, 1,300 gallons; reflective, 4,000 gallons, traffic, 12,000 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,538, October 27; enamel, 9,100 gallons, invitation B-51,517, October 27; paint, varnish base, 1,620 gallons, Federal Supply Service (Washington 25) invitation 5G-93353-R, October 17; varnish, cabinet, 300 gallons, invitation 5E-93484, October 18; paint, various, Federal Supply Service (Chicago 6), invitation CH-24994, October 17.

Paint remover, 1,000 gallons, U. S. Air Force (Tinker Base, Oklahoma City) invitation 216, October 18.

Pepper, black, 50,000 pounds, Quartermaster Procurement Agency (New York 3) invitation 508, November 13.

Phthalo-cyanine blue, 500 pounds, Bureau of Engraving & Printing (Washington 25) invitation BEP-151, October 17.

Pigments: alum paste, 57,580 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio), invitation 038-549, October 17; red lead, 504,000 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,942, November 2; titanium calcium, dry, 500,000 pounds, invitation B-51,933, November 2.

Potassium chlorate, 18,250 pounds, Army Chemical Center, Md., invitation 272, October 25.

Putty, linseed oil, 2,840 pounds, Federal Supply Service (Washington 25) invitation 5E-93479-R, October 20.

Salt, rock or evaporated, 45 tons, U. S. Penitentiary (Terre Haute, Ind.) invitation 31-3253, October 18; iodized, 200,000 pounds, Quartermaster Procurement Agency (New York 3) invitation 518, November 14.

Sealing tape compound, 20,000 gallons, Raritan Arsenal, Metuchen, N. J., invitation 223, October 23; 19,000 gallons, invitation 222, October 23.

Soap, chip laundry, 8,850 pounds, scouring powder, 11,136 pounds, liquid soap, 480 gallons, Federal Supply Service (Dallas, Texas) invitation FW-10956, November 2; grit, 2,400 ten-ounce cakes, Federal Supply Service (P. O. B. 5127, Cleveland) invitation CL-877-51, October 24.

Soda, laundry, 3,600 pounds, Federal Supply Service (P. O. B. 5127, Cleveland) invitation CL-878-51, October 24.

Sodium bicarbonate, 16 drums, Federal Supply Service (P. O. B. 5127, Cleveland) invitation CL-878-51, October 24.

Sodium aluminate, 14,000 pounds, Federal Supply Service (Seattle 4) invitation 2-M-5479-1, October 20.

Sodium chloride, 70,000 pounds, U. S. Air Force (Griffiss Base, Rome, N. Y.) invitation 32, October 23.

Solvent, dry cleaning, and paint thinner, various deliveries, from January 1, 1951, through December 31, 1951, Armed Services Petroleum Purchasing Agency (Washington 25) invitation 47, November 1; dry cleaning, 10,000 gallons, Erie Ordnance Depot, La Carne, Ohio, invitation 29, October 18.

Spices: cinnamon, ground, 840 four-ounce containers, and chili powder, 540 four-ounce containers, Army Quartermaster (Fort Devens, Mass.) invitation QM-45, October 19.

Trisodium phosphate, 12,000 pounds, Federal Supply Service (P. O. B. 5127, Cleveland) invitation CL-837-51, October 18.

Turpentine, gum spirits, 960 gallons, Federal Supply Service (New York 13) invitation NY-W-24476, October 18.

Sharp & Dohme Opens New Baltimore Offices

To fill the need for larger facilities created by increasing sales in the company's Baltimore, Md., sales district, Sharp & Dohme, Inc., Philadelphia, has opened a new branch office and warehouse at 2208 Aisquith street in northeast Baltimore. The building, a one-story structure, covers 26,000 square feet — over double that of the former branch at 1301 Cathedral street. The Sharp & Dohme Baltimore sales division serves the medical and allied professions in Maryland, Virginia, North Carolina, southern Delaware, part of southern Pennsylvania and eastern West Virginia. W. L. O'Neill is branch manager. District sales manager is H. K. Mundorf.

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New York

AGAR—10 bls, Dodwell & Co, Kobe
50 bls, Siber Hegner, Kobe
50 bls, International Commodities Corp, Kobe
AMMONIUM BICARBONATE—750 dms, Chemical Manufacturing Co, Liverpool
CARBONATE—20 cs, Glasgow
40 cs, American British Chemical Supplies, Glasgow
CHLORIDE—2,416 bgs, National Carbon Co, Leverpool
75 dms, E M Sergeant Chemical Co, Rotterdam
ANILIN COLORS—2 cks, Francolor Co, Havre
57 dms, Heemsoth Kerner, Liverpool
6 kegs, Heemsoth Kerner, Liverpool
10 dms, Arnold Hoffman, Liverpool
ANISEED—271 bgs, Istanbul
ARABIC GUM—756 bgs, Thurston & Braidich, Port Sudan
357 bgs, First National of Boston, Port Sudan
152 bgs, Irving Trust Co, Port Sudan
60 bgs, Tragacanth Import Co, Port Sudan
254 bgs, R J Prentiss & Co, Port Sudan
1,250 bgs, Innis Speiden, Port Sudan
250 bgs, P A Dunkel, Port Sudan
500 bgs, Dodwell & Co, Port Sudan
250 bgs, Henry Heide, Port Sudan
900 bgs, Port Sudan
ASBESTOS FIBER—1,150 bgs, Johns Manville, Fremantle
ASPHALT—246 bbls, Brighton, Trinidad
151 dms, Brighton, Trinidad
REFINED—375 bbls, Barber Oil Corp, Port of Spain
BABASSU OIL—340 tons, Colgate Palmolive Peet Co, Maranhao
283 tons, E F Drew, Sao Luiz Maranhao
BALSAM—36 cs, Dodge & Olcott, Manaus
BARYTES—600 bgs, Whittaker Clark & Daniels, Genoa
BAUXITE ORE—1,400 tons, Alcoa Mining Co, Paramaribo
370 tons, Alcoa Mining Co, Port of Spain
3,400 tons, American Cyanamid Co, Everton
BAY OIL—2 dms, Polak & Schwartz, Roseau
2 dms, Barclays Bank, Roseau
BEESWAX—50 bgs, Chase National Bank, Lisbon
99 bgs, Marine Midland Trust, Lisbon
300 bgs, Samuel Zeitlins, Santos
93 bgs, J P Eberhart, Rotterdam
22 bgs, Granat Trading Co, Vera Cruz
154 bgs, Alco Trading Co, Massawa
50 bgs, J P Eberhardt, Rotterdam
18 bgs, H H Pike, Havana
59 bgs, Tampico
100 pks, Bank of London & S A, Lisbon
BENZOIN GUM—37 bdls, Peek & Velsor, Singapore
9 bdls, J L Hopkins, Singapore
BERGAMOT OIL—40 qu cs, Messina
20 half cs, Citrus & Allied Essential Oils, Messina
BERYL ORE—500 bgs, Beryllium Co, Rio de Janeiro
BETANAPHTOL—15 dms, Antwerp
BOIS DE ROSE OIL—6 dms, Lo Curto & Funk, Manaus
BONE MEAL—606 bgs, International Expediters, Bremen
BRUCINE—9 cs, New York Quinine & Chemical Works, London
ALKALOID—10 cs, Avia Co, Bremen
CADMIUM SULPHATE—10 dms, Aceto Chemical Co, Avonmouth
CAFFEINE ANHYDROUS—20 cks, Antwerp
CALCIUM HYPOPHOSPHITE—2 cs, Gallard Schlesinger Chemical Corp, London
HYPOCHLORITE—44 cs, Tide Mercantile Corp, Bremen
CANARYSEED—2,222 bgs, Casablanca
276 bgs, Transatlantic Commodities Corp, Casablanca
CARAWAYSEED—200 bgs, M J Golombeck, Rotterdam
100 bgs, I Grob, Rotterdam
100 bgs, Arthur G Dunn, Rotterdam
100 bgs, Catz American Co, Rotterdam
500 bgs, Rotterdam
CASEIN—2,000 bgs, New York Trust Co, Buenos Aires
1,500 bgs, Borden Co, Buenos Aires
1,000 bgs, Crawford Co, Buenos Aires
500 bgs, Eugene Lang, Buenos Aires
520 bgs, Hercules Powder Co, Buenos Aires
1,000 bgs, Wilbur Ellis, Buenos Aires
229 bgs, Chase National Bank, Ponta Delgada
1,000 bgs, East Asiatic Co, Buenos Aires
100 bgs, Tupman Thurlow, Buenos Aires
CASHEW SHELL LIQUID—52 dms, Jacques Missir, Cochin
287 tons, Irvington Varnish & Insulator Co, Cochin
CASSIA—900 bls, K H Landes, Hong Kong
100 bls, Becker Mayer Seed, Hong Kong
500 bls, W M Allison, Hong Kong
1,000 bls, A G Dunn, Hong Kong
300 bls, H J Spitz, Hong Kong
100 bls, Wah Young Co, Hong Kong
100 bls, Knickerbocker Mills, Hong Kong
500 bls, R J Spitz, Hong Kong
200 bls, W E Martin, Hong Kong
200 bls, Becker Mayer, Hong Kong
150 bls, S L Jones, Hong Kong
20 bls, Hunziker inc, Rotterdam
CASTORBEANS—3,330 bgs, Santos
1,700 bgs, Baker Castor Oil, Salvador
3,386 bgs, Baker Castor Oil Co, Bahia
2,540 bgs, Spencer Kellogg & Sons, Bahia
7,000 bgs, Baker Castor Oil Co, Bombay
2,800 bgs, Spencer Kellogg Sons, Bombay
1,579 bgs, Spencer Kellogg & Sons, Camocim
846 bgs, Tunley & Co, Parnaiba
OIL—178 tons, Woodward & Dickerson, Recife
220 tons, Pernambuco
CARNAUBA WAX—250 bgs, Biddle Sawyer, Parnaiba
50 bgs, H H Bauer, Rio de Janeiro
93 bgs, Strahl & Pitsch, Rio de Janeiro
454 bgs, W Diehl, Fortaleza
55 bgs, Stein Hall, Fortaleza
55 bgs, Wm Allison, Fortaleza
101 bgs, [illegible] Ross, Fortaleza
64 bgs, Wax & Rosin Products, Fortaleza
111 bgs, Cornelius Products, Fortaleza
209 bgs, Innis Speiden, Fortaleza
127 bgs, Cornelius Products, Rio de Janeiro
87 bgs, J W Hanson, Rio de Janeiro
CAUSTIC SODA—400 dms, M W Hardy, Havre
1,600 cyl, M W Hardy, Havre
5,054 dms, Chemical Manufacturing Co, London
297 dms, Chemical Manufacturing Co, Liverpool
CELERYSEED—76 bgs, Otto Gerdau, Bombay
CHARCOAL—988 bgs, Holland Colombo Trading, Colombo
700 bgs, Temperlays Hazelhurst, Colombo
CHLOROPHYLL—5 dms, Airkem inc, London
CHROMIUM METAL POWDER—5 dms, Charles Tennent Sons, London
CINNAMON QUILLS—100 bls, Volkart Bros, Colombo
CITRONELLA OIL—17 dms, Delgo Aromatic Co, Hong Kong
CLAY, CHINA—1,596 bgs, English China Clay Sales, Avonmouth
COALTAR DYES—4 cks, C A Haynes, Rotterdam
OIL—10 dms, London
PRODUCTS—13 cks, C A Haynes, Hamburg
COBALT OXIDE, BLACK—56 dms, Liverpool
GREY—2 cks, Liverpool
COCOABUTTER—20 bls, Ernest Adler, London
COCONUT OIL—1,050 tons, Cebu
300 tons, Bank of California, Zamboanga
CODLIVER OIL—74 dms, Eelsingh & Lugtigheid, Bergen
COLORING MATERIAL, TEXTILE—4 dms, Arnold Hoffman, Liverpool
BRENTHOL—4 dms, Arnold Hoffman, Liverpool
COLUMBITE ORE—20 bgs, South American Minerals & Mdse Co, Pernambuco
COPAL GUM—146 bgs, O G Innes Corp, Luanda
215 bgs, Internatio Rotterdam, Luanda
1,334 bgs, J A MacNulty, Matadi
COPPER CYANIDE—100 dms, Elbert & Co, London
267 dms, Phillip Bros, Liverpool
COPRA—275 tons, Procter & Gamble, Cebu
1,875 tons, El Dorado Oil Wks, Cebu
CORIANDER SEED—223 bgs, K H Landes, Vera Cruz
370 bgs, Casablanca
236 bgs, Transatlantic Commodities Corp, Casablanca
COTTON LINTERS—2,544 bls, Leningrad
6,224 bls, 1st National Bank of Chicago, Leningrad
2,585 bls, 1st National Bank of Boston, Leningrad
CRESYLIC ACID—154 dms, Republic Chemical Corp, Manchester
100 dms, Tar Residuals Inc, Manchester
49 dms, Charles Page & Co, Manchester
275 dms, Glasgow
100 dms, Liverpool
247 dms, Chase National Bank, Avonmouth
155 dms, H A Gogarty & Co, Avonmouth
208 dms, Liverpool
388 dms, Charles Page, Liverpool
CROTON OIL—2 cs, Ungerer & Co, London
CUMMIN SEED—363 bgs, Khoarovachahi Co, Karachi
200 bgs, J H Schroder, Istanbul
DAMMAR GUM—576 bgs, W H Scheel, Singapore
64 bgs, O G Innes, Singapore
576 bgs, S Winterbourne, Singapore
50 cs, S Winterbourne, Singapore
DEXTRIN—250 bgs, Sembodja Co, Rotterdam
DIMETHYLXANTHIN—20 cks, Antwerp
20 cs, Antwerp
DYESTUFFS—7 dms, M Kornstamm, Vera Cruz
150 bgs, Heemsoth Kerner, Liverpool
EARTH COLORS—80 bgs, Charles B Chrystal, Avonmouth
2,240 bgs, Smith Chem & Color Co, Avonmouth
23 bgs, Smith Chem & Color Co, Larnaco
1,309 bgs, Reichard Coulston, Larnaco
EGG ALBUMEN CRYSTALS—112 cs, W J Byrnes, Vancouver
EPSOM SALTS—1,600 bgs, Purepac Corp, Hamburg
ESSENTIAL OILS—2 cs, Corn Exchange Bank, Seville
6 cs, Norda Essential Oils, Seville
22 dms, Seville
1 dm, Felton Chemical Co, Marseilles
3 dms, Norda Essential Oils, Marseilles
1 cs, Magnus Mabee & Reynard, Larnaca
3 cs, W R Keating, Havre
FENUGREEK SEED—514 bgs, Casablanca
FERRO COLUMBIAN TANTALUM — 6 dms, Charles Tennant Sons, London
NICKEL SCRAP—80 dms, Heemsoth Kerner, Bremen
VANADIUM—20 dms, Charles Tennant Sons, London
FERTILIZER—100 bgs, United Sterling Corp, Rotterdam
FUEL OIL—10,000 bbls, Asiatic Petroleum Corp, Curacao
231,467 bbls, Esso Standard Oil, Caripito
382,986 bbls, Esso Standard Oil, Aruba
151,429 bbls, Asiatic Petroleum, Curacao
33,707 bbls, Asiatic Petroleum, Aruba
106,405 bbls, Paragon Oil Co, Tampico
104,176 bbls, Gulf Oil Corp, Aruba
102,284 bbls, Hess Inc, Curacao
103,257 bbls, Mexican Petroleum Corp, Punta Cardon
106,487 bbls, Mexican Petroleum Corp, Curacao
106,111 bbls, Metropolitan Petroleum, Aruba
GALANGAL ROOT—84 bls, R J Prentiss & Co, Hong Kong
168 bls, R J Prentiss & Co, Hong Kong
GELATIN—200 bgs, T M Duche & Sons, Havre
GENTIAN ROOT—21 bgs, Peek & Velsor, Marseilles
22 bgs, J L Hopkins, Marseilles
GERANIUM OIL—1 dm, Naugatuck Aromatics, Algiers
GLUE, GELATIN—300 bgs, Transatlantic Animal By-Products Corp, Antwerp
STOCK—519 bls, Tampico
GRAPHITE—500 bgs, Asbury Graphite Mills, London
250 bgs, Superior Flake Graphite Co, Colombo
250 bgs, Superior Flake Graphite, Colombo
1,000 bgs, Charles Pettinos, Colombo
GYPSUM, CRUDE—20,532 tons, U S Gypsum Co, Hantsport
2,525 tons, Newark Plaster Co, Walton
25 cks, A Gusmer, London
HENBANE—8 bls, Kellys American, Hamburg
HEXAMETHYLENETETRAMINE — 15 dms, Antwerp
IRISHMOSS—6 bls, T M Duche & Sons, Limerick
100 bls, S B Penick, Havre
71 bls, Algin Corp, Havre
IRON OXIDE—1,530 bgs, Reichard Coulston, Bremen
JUNIPER BERRIES—583 bgs, S B Penick & Co, Leghorn
250 bgs, R D Heins, Leghorn
41 bgs, Chase National Bank, Leghorn
KARAYA GUM—85 bgs, W M Allison, Bombay
307 bgs, Block Drug Co, Bombay
333 bgs, J B Gruman, Bombay
307 bgs, Thurston & Braidich, Bombay
400 bgs, Boehr Shipping Co, Bombay
92 bgs, Max Van Pels, Bombay
536 bgs, Stein Hall & Co, Bombay
122 bgs, S B Penick & Co, Bombay
66 bgs, Nudam Inc, London
99 bgs, Max Van Pels, Bombay
231 bgs, William M Allison, Bombay
LAUREL LEAVES—185 bls, J H Schroder, Istanbul
20 bls, Istanbul
170 bls, M J Golombeck, Lisbon
LEMON OIL—100 qtr cs, T M Duche & Sons, Messina
2 qtr cs, Florasynth Labs, Messina
26 qtr cs, Citrus & Allied Essential Oils, Messina
LEMONGRASS OIL—6 dms, Lo Curto & Funk, Cochin
6 dms, Chevalier & O'Connor, Cochin
LIME JUICE—10 cks, W J Bush, Roseau
10 cks, E De Witte Osborne, Roseau
20 cks, Dalton Cooper, Roseau
OIL—29 cs, Polaks Frutal Works, Roseau
15 cs, Florasynth Labs, Port of Spain
LITMUS—2 cs, Precision Labs, London
LOCUST BEANS—150 bgs, Larnaca
33 cs, Briones & Co, Lisbon
10 cs, A M Duarte, Lisbon
GUM—65 bgs, Larnaca
192 bgs, Stein, Hall & Co, Lisbon
100 bgs, Stein, Hall & Co, Genoa
160 bgs, Bank of New York, Lisbon
MACE—20 cs, St Georges
13 cs, Gillespie & Co, St Vincents
MAGNESIA CARBONATE—50 cs, Lo Curto & Funk, Liverpool
MAGNESITE—4,800 bgs, Golwynne Chemical Corp, Madras
MAGNESIUM SILICOFLUORIDE—67 cks, Henry Sundheimer, Rotterdam
MANGANESE SULPHATE—178 bgs, A M Goldstein, London
MASTIC GUM—30 cs, Istanbul
MEDICINAL FLOWERS—18 bls, Murras Trading Co, Leghorn
HERBS—100 cs, S B Penick & Co, Hamburg
220 bkts, Manufacturers Trust Co, Messina
210 bkts, Messina
100 bgs, Messina
LEAVES—188 bgs, Valencia
100 cs, S B Penick & Co, Naples
ROOTS—20 bls, Meer Corp, Leghorn
SEED—200 bgs, S B Penick & Co, Algiers
MENTHOL—7 cs, Kellys American, Yokohama
MICA—380 cs, Cornelis & Suhr, Madras
25 cs, Otto Gerdau, Madras
4 cs, A B Brown, Madras
100 cs, United Mineral & Chem Co, Madras
44 cs, Minerals & Insulation Co, Madras
55 cs, Asheville Schoonmaker, Madras
164 cs, Hal Delphin, Madras
120 cs, Cornelis & Suhr, Calcutta
148 cs, United Mineral & Chemical, Madras
46 cs, Schwab Bros, Calcutta
47 cs, Otto Gerdau, Calcutta
77 cs, J F Garneau, Calcutta
727 cs, Eugene Munsell, Calcutta
393 cs, Asheville Schoonmaker, Calcutta
18 cs, Hal Delphin, Calcutta
6 cs, Whittaker, Clark & Daniels, Calcutta
60 cs, Manchard Trading Co, Calcutta
130 cs, Ameritex Development Co, Calcutta
24 cs, Eugene Munsell, London
16 cs, Asheville Schoonmaker, London
57 cs, Sigbert Loeb, London
181 cs, Silvio Gaguine, Buenos Aires
85 cs, Siegfried Cussell, Buenos Aires
68 cs, Vilco Inc, Buenos Aires
71 cs, Micacraft Products, Santos
128 cs, United Mineral & Chem Co, Rio de Janeiro
39 cs, Ford Radio & Mica Co, Rio de Janeiro
238 cs, Sylvania Elec Prod, Rio de Janeiro
56 cs, American Mica Works, London
24 cs, Asheville Schoonmaker, London
41 cs, Sigbert Loeb, London
157 cs, Andrew Lager Co, Rio de Janeiro
43 cs, Manufacturers Trust Co, Rio de Janeiro
30 cs, Habers Export Agencies, Calcutta
SODIUM MONOGLUTAMATE—60 cs, Biddle Sawyer, Kobe
MUSTARDSEED—200 bgs, Amaren Trading Corp, London
300 bgs, Charles Gulden, Messina
200 bgs, London
400 bgs, Messina
MYROBALANS—2,217 bgs, Barkey Importing Co, Bombay
MYRRH GUM—16 bgs, R D Heins, Colombo
NAPHTHALENE — 627 bgs, Rosenthal Bercow, Manchester
NAPHTHENIC ACID—600 bbls, Stanco Inc, Aruba
NICKEL SULPHATE — 116 cks, Innis Speiden, Hamburg
NUTMEGS—250 bgs, Middleton & Co, St Georges
22 bgs, St Georges
78 bgs, Gillespie & Co, St Vincent
NUX VOMICA—366 bgs, Volkart Bros, Cochin
OCOTEA CYMBARUM OIL—27 dms, Chase National Bank, Itajai
OCTYL DECYL—62 dms, Theobald Industries, London
OITICICA OIL—550 tons, Brasil Oiticica Co, Fortaleza
OLIBANUM GUM—201 bgs, Tragacanth Importing Co, Massawa
136 bgs, Lo Curto & Funk Co, Massawa
201 bgs, Max Van Pels, Massawa
134 bgs, S B Penick & Co, Massawa
67 bgs, Norwalk Mills, Bombay
OLIVE OIL—25 dms, Asaro Bros Co, Palermo
10 dms, Bank of Manhattan, Seville
500 dms, B M Reeves, Seville
2,065 dms, Aloma Corp, Seville
25 dms, Chase National Bank, Seville
OPOPONAX GUM—134 bgs, Lo Curto & Funk, Aden
OREGANO LEAVES — 942 bgs, Pan American Traders, Tampico
323 bgs, Vera Cruz
ORRIS ROOT—300 bgs, Leghorn
OURICURY WAX—56 bgs, Strahl & Pitsch, Bahia
33 bgs, S W Hanson, Bahia
56 bgs, Wax & Rosin Products, Bahia
210 bgs, Stein Hall & Co, Bahia
112 bgs, W R Grace, Bahia
OX GALL—8 cs, Judson Sheldon, London
5 dms, Liverpool
2 cs, Liverpool
OX & SHEEP GALL—11 tcs, Armour & Co, Buenos Aires
1 bbl, Armour & Co, Buenos Aires
PALM OIL—1,061 tons, Balfour Guthrie, Matadi
1,459,704 kilos, Balfour Guthrie, Luanda
PALMAROSA OIL—310 lbs, George Lueders Co, Bombay
2,513 lbs, Volkart Bros, Bombay
PAPAIN—25 chests, W E Martin, Colombo
12 chests, J L Hopkins, Colombo
8 pks, R J Prentiss & Co, Colombo
20 cs, J L Hopkins, Colombo
PAPRIKA—100 bgs, P H Petry, Alicante
860 bgs, A A Sayia, Alicante
100 bgs, Pepper Prod Co, Alicante
150 bgs, Van Norden & Archibald, Alicante
950 bgs, Alicante
PATCHOULI OIL—2 cs, Antoine Chiris, Penang
PEATMOSS—150 bls, J E Bernard, Bremen
2,590 bls, Premier Peatmoss Corp, Bremen
1,600 bls, New Amsterdam Import Co, Bremen
PEPPER, BLACK—160 bgs, Otto Gerdau, Cochin
160 bgs, M Golodetz, Cochin
160 bgs, Joensson & Cross, Cochin
80 bgs, Bansidhar Gopaldas, Cochin
240 bgs, Internatio Rotterdam, Cochin
280 bgs, A G Dunn, Cochin
80 bgs, Branston Co, Cochin
144 bgs, D Hecht, Cochin
208 bgs, Otto Gerdau, Cochin
240 bgs, East India Trading Co, Cochin
800 bgs, Mincing Trading Co, Cochin
320 bgs, V Panachand, Cochin
160 bgs, National City Bank, Cochin
240 bgs, Mincing Trading Co, Bombay
240 bgs, A G Dunn, Bombay
320 bgs, Bansidhar Gopaldas, Bombay
80 bgs, Sembodja Corp, Bombay
160 bgs, K A Export Co, Bombay
80 bgs, Bombay
80 bgs, Otto Gerdau, Bombay
160 bgs, Virchand Panachand, Bombay
80 bgs, Mincing Trading Co, Bombay
160 bgs, National City Bank, Cochin
240 bgs, Arthur G Dunn, Cochin
160 bgs, Otto Gerdau, Cochin
80 bgs, Sembodja Co, Cochin
80 bgs, Joennson & Cross, Cochin
PEPPERMINT OIL—3 cs, Colgate-Palmolive-Peet, Havana
PERCHLOROETHYLENE—103 dms, Chemical Manufacturing Co, Liverpool
78 dms, Elbert & Co, Rotterdam
PETROLEUM ASPHALT—68,936 bbls, Shell Oil Co, Curacao
CRUDE—123,349 bbls, Esso Standard Oil, Puerto La Cruz
206,537 bbls, Esso Standard Oil, Cartagena
72,015 bbls, Cities Service Oil, Amuay
110,100 bbls, Atlantic Refining Co, Puerto La Cruz
59,151 bbls, California Refining Co, Las Piedras
125,267 bbls, Socony Vacuum Oil, Puerto La Cruz
POLLACKLIVER OIL—6 dms, Nopco Chemical Co, Yokohama
POLYVINYL CHLORIDE—6 dms, American Lucoflex, Havre
POPPYSEED—100 bgs, Becker Mayer Seed Co, Rotterdam
100 bgs, M J Golombeck, Rotterdam
100 bgs, Catz American Co, Rotterdam
100 bgs, Joel Bieler, Rotterdam
200 bgs, Levy & Lewis, Rotterdam
200 bgs, Wagner Bros, Buenos Aires
600 bgs, Louis Furth, Buenos Aires
POTASSIUM CARBONATE—103 bbls, Nomaco, Antwerp
CALCINED—411 bbls, Philipp Bros, Hamburg
CYANIDE—89 dms, Philipp Bros, Liverpool
100 dms, Elbert & Co, London
METABISULPHITE—50 bbls, Spring Chemicals, Antwerp
PSYLLIUM SEED—238 bgs, Peek & Velsor, Bombay
115 bgs, Meer Corp, Bombay
PYRITES—244 cks, American Metal Co, Leixoes
QUICKSILVER—1,000 flasks, Rotterdam
RAPESEED—700 bgs, Rotterdam
500 bgs, Hartz Mountain Co, Rotterdam
RED IRON OXIDE—7 cks, J A MacNulty, Liverpool
RED SQUILLS—1,167 bgs, S B Penick & Co, Algiers
RESIN, SYNTHETIC—135 bgs, F L Kramer, London
15 cans, Goldin Bros, Southampton
1 cs, Imperial Chemical Co, London
RHUBARB ROOT—73 bgs, S B Penick & Co, Bombay
42 cs, Arnhold & Co, London
ROSEWOOD OIL—10 dms, National City Bank, Manaus
12 dms, Chase National Bank, Manaus
35 dms, Orbis Products, Manaus
12 dms, Lo Curto & Funk, Manaus
6 dms, George Lueders, Manaus
9 dms, U S Rubber Co, Manaus
18 dms, Givaudan Delawanna, Manaus
5 dms, Ungerer & Co, Manaus
6 dms, Manaus
SAFFRON—2 cs, Frank Tea & Spice Co, Leixoes
2 cs, Hudson Tea & Spice Co, Leixoes
SAGE LEAVES—125 bgs, Alicante
456 bls, National City Bank, Izmir
58 bls, J H Schroder, Izmir
318 bgs, D Hauser, Piraeus
160 bls, Larnaca
159 bls, J D Nicolaou, Hamburg
OIL—3 dms, Norda Essential Oils & Chemical Co, London
SANDALWOOD—100 bgs, Dodge & Olcott, Bombay
OIL—18 cs, Magnus, Mabee & Reynard, Madras
SCHEELITE CONCENTRATE—101 bgs, Felix Kramarsky, Hong Kong
SEEDLAC—800 bgs, Manirose Corp, Calcutta
600 bgs, Ralli Bros, Calcutta
200 bgs, Dings & Schuster, Calcutta
200 bgs, C H Timm, Calcutta
273 bgs, Internatio Rotterdam, Singapore
SENNA LEAVES—20 bls, Barber 88 Lines, London
48 bls, S B Penick & Co, London
SESAME SEED—200 bgs, Istanbul
200 bgs, Archibald & Kendall, Corinto
SHARKLIVER OIL—11 dms, Nopco Chemical Co, Yokohama
37 dms, Ocean Leather Corp, Pampatar
SHELLAC—50 bgs, Dings & Schuster, Bremen
44 bgs, F H Paul & Stein, Hamburg
50 bgs, J B Day, Calcutta
130 cs, P A Dana, Calcutta
209 bgs, R E Wilcox, Calcutta
200 bgs, Ralli Bros, Calcutta
310 bgs, William Diehl, Calcutta
200 bgs, Manirose Corp, Calcutta
300 bgs, W Zinsser, Calcutta
SIENNA EARTH—38 cks, Reichard Coulston, Leghorn
100 bgs, Grace National Bank, Leghorn
660 bgs, Smith Chemical & Color, Leghorn
14 bbls, Leghorn
SILICA—200 bgs, C B Chrystal, Avonmouth
SILICEOUS EARTH—200 bgs, Chaplin & Bibbo, Avonmouth
SODA ASH—800 bgs, Manufactures Chemical Co, Bremen
24,010 bgs, Chemical Manufacturing Co, London
256 bgs, Aceto Chemicals, London
100 bgs, Duff Chemical Co, London
460 bgs, J M Baird, London
500 bgs, Commercial Union Transport Co, London
190 bgs, London
100 bgs, Encio Chemical Corp, Liverpool
7,466 bgs, Charles Tennant Sons, Liverpool
5,113 bgs, Chemical Manufacturing Co, Liverpool
2,000 bgs, Chase National Bank, Rotterdam
13,000 bgs, Millmaster Chem Corp, Rotterdam
6,000 bgs, Owens Illinois Glass Co, Rotterdam
6,000 bgs, Thatcher Glass Co, Rotterdam
4,180 bgs, E D Sheffe, Havre
3,000 bgs, M W Hardy, Havre
5,000 bgs, Republic Chemical Corp, Havre
5,425 bgs, Owen Illinois Glass Co, Havre
2,000 bgs, International Co, Rotterdam
3,100 bgs, Guaranty Trust Co, Rotterdam
440 bgs, W D Neuberg, Rotterdam
400 bgs, H A Gogarty, Rotterdam
200 bgs, Spring Chemical Co, Rotterdam
2,090 bgs, Owens Illinois Glass Co, Havre
1,780 bgs, Republic Chemical Corp, Havre
10,510 bgs, E D Sheffe, Havre
2,452 bgs, International Selling Corp, Dunkirk
1,000 bgs, Fallek Products Co, Dunkirk
5,889 bgs, Philipp Bros, Dunkirk
SODIUM BICARBONATE—1,000 bgs, Chemical Manufacturing Co, Liverpool
BICHROMATE—91 dms, Republic Chemical Corp, Antwerp
CARBONATE MONOHYDRATE—188 bgs, Chemical Manufacturing Co, Liverpool
NITRITE—186 bbls, Ciba Co, Genoa
75 bbls, Wilson Export & Import Corp, Rotterdam
200 bbls, Maxim Chemical Co, Hamburg
75 cks, Hamburg
SESQUICARBONATE—1,995 bgs, Procter & Gamble, Liverpool
SULPHATE, ANHYDROUS—5,000 bgs, Monsanto Chemical Co, Rotterdam
SPIKE LAVENDER OIL—12 dms, George Lueders, Alicante
STRAMONIUM LEAVES—15 bgs, Chase National Bank, Leghorn
STYRAX GUM—117 cs, Lo Curto & Funk, Istanbul
59 cs, Guaranty Trust Co, Istanbul
125 cs, Lo Curto & Funk, Izmir
75 cs, Givaudan Corp, Izmir
SULPHUR COLLOIDAL—5 carboys, Skodvin Inc, Oslo
TALC—250 bgs, A E Miller, Bombay
11,443 bgs, Charles Mathieu, Genoa
TALL OIL PITCH—283 dms, Sandarne
TANKAGE—889 bgs, Tupman Thurlow, Santos
TANNING EXTRACT—1,000 bgs, Naples
TANTALITE ORE—1,166 bgs, Philipp Bros, Luanda
TAPIOCA FLOUR—750 bgs, American Key Products, Singapore
2,000 bgs, Corn Products Refining Co, Puerto Plata
2,000 bgs, Bank of Manhattan, Itajai
873 bgs, First National of Boston, Itajai
3,788 bgs, National City Bank, Itajai
1,666 bgs, Brown Bros Harriman, Itajai
2,800 bgs, Stein Hall, Imbituba
834 bgs, W R Grace, Parnaiba
TEA WASTE—700 bgs, Citro Chemical Co, Colombo
THEODOLITE—1 cs, C L Berger & Sons, Larnaca
THYME LEAVES—395 bgs, Alicante

TITANIUM DIOXIDE—250 bbls, Gem Participations, Antwerp
WHITE—120 bgs, Havre
10 bbls, Havre
TONKA BEANS—9 cs, Polaks Frutal Works, Belem Para
TRICHLOROETHYLEN—91 dms, Paul Reinhart, Rotterdam
90 dms, Elbert & Co, Rotterdam
TUNG OIL—13 cs, East Asiatic Co, Buenos Aires
UMBER—224 bgs, Whittaker, Clark & Daniels, Manchester
BURNT—540 bgs, Smith Chem & Color Co, Larnaca
UREA—200 bgs, S M Baird, London
1,000 bgs, Chemical Manufacturing Co, Liverpool
VALONEA CUPS—635 bgs, Olson Sales Agency, Izmir
VANILLA BEAN SCRAP—6 cs, Zink & Triest, Roseau
VEGETABLE WAX—25 cs, William Diehl, Kobe
WAX FLAKES—210 bgs, G H Lincks, Bremen
WHALELIVER OIL—5 dms, J H Redding, London
1 dm, Interocean Chemical & Mineral Corp, Yokohama
3 dms, Nopco Chemical Co, Yokohama
WHITING—1,200 bgs, Landers Segal, Hull
2,240 bgs, Smith Chem & Color, Hull
WITHERITE—224,000 lbs, E I du Pont de Nemours, Hull
410 bgs, Enco Chemical Co, Hull

WOOL GREASE—28 dms, Liverpool
100 dms, N I Malmstrom, Liverpool
150 dms, Phoenix Oil Products, Hull

Baltimore

ANTIMONY OXIDE—100 cks, Charles Gitlan & Co, Antwerp
ARSENIC—493 bbls, General Chemical Co, Gothenburg
BONE, CRUSHED—5,000 bgs, American Agricultural Chemical Co, Calcutta
BONE, POWDER—1,114 bgs, E J Lang, Rouen
CHESTNUT EXTRACT—483 bgs, Irving Trust Co, Naples
CHOLESTEROL—1 cs, Eelsingh & Lugtigheid, Rotterdam
CORIANDERSEED—360 bgs, Transatlantic Commodities Corp, Casablanca
FERRO SELENIUM—20 bbls, L J Buck, Gothenburg
IRON OXIDE—445 bgs, Mineral Pigments, Bremen
665 bgs, Bremen
MANGANESE ORE—960 tons, Cottman Co, Bombay
MYROBALANS—1,455 bgs, Barkey Importing Co, Bombay
OLIVE OIL—2,000 dms, Seville
POTASSIUM CARBONATE—266 dms, Innis, Speiden, Rotterdam
QUEBRACHO EXTRACT—1,050 bgs, Barkey Importing Co, Buenos Aires
TALC—500 bgs, Whittaker, Clark & Daniels, Marseilles
TAPIOCA FLOUR—833 bgs, 1st National Bank of Boston, Itajai
ZINC OXIDE—319 bgs, Mineral Pigments Corp, Liverpool

Boston

AGAR—1 bl, Tung Hing Lung, Kobe
BONE MEAL—1,100 bgs, D C Andrews, Liverpool
CRESYLIC ACID—50 dms, G F Smith, Liverpool
100 dms, Charles Page, Liverpool
GLUE—1,000 bgs, D C Andrews, Liverpool
500 bgs, D C Andrews, London
HIDE—567 bgs, Consolidated Chemical Industries, Buenos Aires
GLUESTOCK—17 bls, Holbert & Myette, London
MICA—10 cs, Vilco Inc, London
28 cs, Eugene Munsell, London
15 cs, Eugene Munsell, Rio de Janeiro
OLIVE OIL—845 dms, Aloma Corp, Seville
PERCHLOROETHYLENE — 69 dms, Chemical Manufacturing Co, Liverpool
SODA ASH—5,000 bgs, Philipp Bros, Dunkirk
WAX DISTILLATE—1 dm, D F Young, London

Los Angeles

CANARYSEED—231 bgs, Seed & Feeding Co, Genoa
227 bgs, M S Cowen, Genoa
CELERYSEED—85 bgs, Johnsson & Cross, Bombay
CUMMIN SEED — 175 bgs, Khosrovschahi Co, Karachi

Newport News

KYANITE ORE—700 tons, Charles Taylor & Sons, Calcutta

Norfolk

BONE MEAL — 1,100 bgs, Gallard Schlesinger Chemical Corp, Hamburg
BONE MEAL—1,102 bgs, E J Lang, Rouen
COCOA WASTE—2,638 bgs, Woodward & Dickerson, Rotterdam
FERTILIZER—3,173 bgs, J C Jett, Manchester
4,800 bgs, Avonmouth
MANGANESE ORE—5,000 tons, E J Lavino, Takoradi

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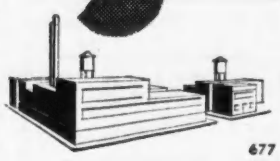
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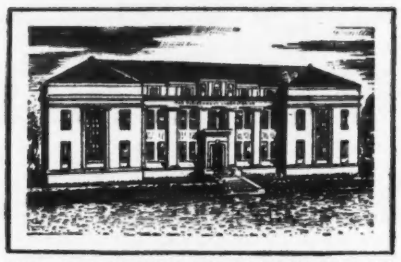

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STANDARD BRANDS INCORPORATED
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MICA—73 cs, Asheville Schoonmaker, Calcutta
45 cs, Ashville Schoonmaker, Madras
PEATMOSS—1,410 bls, Premier Peatmoss Corp, Bremen
QUEBRACHO EXTRACT—1,568 bgs, Barkey Importing Co, Buenos Aires
SODIUM BICARBONATE—4,700 bgs, Chemical Manufacturing Co, Liverpool
UMBER—1,100 bgs, J Lee Smith, Larnaca

Philadelphia

ANTIMONY REGULUS—243 cs, F Samuel & Co, Rotterdam
80 cks, Charles Gitlan & Co, Antwerp
75 cks, Industrial Sales, Antwerp
100 cks, J W Hampton Jr, Antwerp
ASBESTOS FIBER—300 bgs, Charles Kurz Co, Lourenco Marques
500 bgs, Philip Carey & Co, Lourenco Marques
600 bgs, Ehret Magnesia Co, Lourenco Marques
BERYL ORE—1,331 bgs, Bank of Manhattan, Victoria
BONE MEAL—2,100 bgs, Buenos Aires
CALCINED MAGNESITE—1,950 bgs, Philip Carey Co, Rotterdam
CANARYSEED—415 bgs, Philadelphia Seed Co, Brisbane
CARAWAYSEED—50 bgs, W Lester Co, Rotterdam
50 bgs, Quaker Products, Rotterdam
50 bgs, Rotterdam
CELESTITE—152 tons, Foote Chemical Co, Avonmouth
CAUSTIC SODA—4,339 dms, Chemical Manufacturing Co, Manchester
CHEMICALS—154 dms, Industrial Sales Corp, Antwerp
CLAY, CHINA—6,270,768 lbs, English China Clay Sales, Fowey
8,095,360 lbs, Paper Makers Import Co, Fowey
998,704 lbs, John W Higman Co, Fowey
5,823,440 lbs, Moore & Munger, Fowey
92,176 lbs, John W Higman, Fowey
CRESYLIC ACID—200 dms, Concord Chemical Co, Manchester
50 dms, Monsanto Chemical Co, Manchester
CRYOLITE—2,400 tons, Penna Salt Mfg Co, Ivigitut
FISHMEAL—1,235 bgs, Woodward & Dickerson, Rijeka
GRAPHITE—250 bgs, G F Patton Inc, Colombo
GYPSUM, CRUDE—6,262 tons, U S Gypsum Co, Hantsport
LEAD, VIRGIN—11,677 ingots, Philipp Bros, Rijeka
MANGANESE ORE—5,300 tons, E J Lavino Co, Takoradi
OLIVE OIL—26 dms, Philadelphia National Bank, Malaga
OSSEINE—1,044 bgs, Kind & Knox Co, Antwerp
PEATMOSS—1,600 bls, Keer Maurer Co, Bremen
400 bls, Premier Peatmoss Co, Bremen
1,595 bls, Half Moon Trading Co, Rotterdam
PETROLEUM CRUDE—114,790 bbls, California Refining Co, Ras Tanura
346,076 bbls, Sinclair Oil Co, Puerto La Cruz
108,848 bbls, Gulf Oil Corp, Las Piedras
239,231 bbls, Gulf Oil Corp, Puerto La Cruz
135,638 bbls, Atlantic Refining Co, Pamatacual
102,012 bbls, Atlantic Refining Co, Las Piedras
124,408 bbls, Atlantic Refining Co, Puerto La Cruz
206,009 bbls, Atlantic Refining Co, Ras Tanura
474,953 bbls, Sinclair Oil Co, Tuxpam
201,607 bbls, Texas Oil Co, Ras Tanura
87,003 bbls, Texas Oil Co, Pamatacual
113,569 bbls, Texas Oil Co, Puerto La Cruz
114,719 bbls, Socony Vacuum Oil, Mena Al Ahmadi
121,770 bbls, Socony Vacuum Oil, Covenas
RUTILE SAND—1,000 bgs, Orefractions Inc, Brisbane
SODIUM BICARBONATE—1,488 bgs, Chemical Manufacturing Co, Manchester
SUMMAC LEAVES—100 bls, Olson Sales Agency, Palermo
200 bls, Central Hanover Bank, Palermo
VANILLA BEANS—11 cs, David Michael & Co, Mayaguez
WATTLE BARK—1,107 bls, American Dyewood Co, Durban
1,106 bls, Durban
WHITING—9,800 bgs, N H Weitzner Co, Antwerp
ZIRCON SAND—5,360 bgs, Millmaster Chemical Corp, Brisbane
3,000 bgs, Philipp Bros, Brisbane

San Francisco

AGAR—3 bls, Aico, Yokohama
AMMONIUM CHLORIDE—500 bgs, Chemical Manufacturing Co, Manchester
ANTIMONY OXIDE—400 bgs, National Lead Co, Manchester
CASEIN—370 bgs, Borden Co, Buenos Aires
CASSIA—100 bls, Sino Javia, Inc, Hong Kong
100 bls, H M Newhall, Hong Kong
400 bls, S L Jones Co, Hong Kong
50 bls, Wah Young Co, Hong Kong
COCONUT OIL—195 tons, El Dorado Oil Works, Manila
COPAL GUM—28 bgs, H M Newhall & Co, Singapore
90 bkts, D Hecht & Co, Djakarta
250 bkts, D Hecht & Co, Singapore
186 bkts, O G Innes Corp, Singapore
COPRA—1,750 tons, Cargill & Co, Cebu
250 tons, Cargill & Co, Castanas
800 tons, El Dorado Oil Works, Siam
200 tons, El Dorado Oil Works, Mauban
500 tons, El Dorado Oil Works, Pangi
1,000 tons, El Dorado Oil Works, Jolo
500 tons, El Dorado Oil Works, Iloilo
300 tons, Western Vegetable Oil Co, Iloilo
DAMMAR GUM—33 bgs, Henry W Peabody & Co, Singapore
EGG ALBUMEN—36 cs, Public National Bank & Trust Co, Hong Kong
GALLNUTS—840 bgs, Mallinckrodt Chemical Works, Hong Kong
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MONOSODIUM GLUTAMATE—95 cs, Wilbur Ellis Co, Yokohama
MACE—27 cs, Catz American Co, Singapore
PEPPER, BLACK—660 bgs, Singapore
SODIUM BICARBONATE—100 dms, Chemical Manufacturing Co, Manchester
BICHROMATE—2 dms, Durban
TAPIOCA FLOUR—30 bgs, Internatio Rotterdam, Singapore
TUNG OIL—314 tons, Pacific Vegetable Oil, Hong Kong
1,511 tons, S L Jones Co, Hong Kong
307 tons, Vongher Low China Corp, Hong Kong
139 dms, Pacific Vegetable Oil, Taku Bar
3,676 dms, Pacific Vegetable Oil, Tsingtao
167 tons, Werner G Smith, Hong Kong
WOOL GREASE—200 dms, Chemical Bank & Trust Co, Havre

Heyden Appoints H. Sokol Antibiotics Research Mgr.

Heyden Chemical Corporation, New York, has appointed Dr. H. Sokol manager of the firm's antibiotics research at Princeton, N. J. Dr. Sokol recently returned from France where he was chief technical advisor to the Societe Industrielle pour la Fabrication des Antibiotiques during the start-up of its streptomycin plant built in cooperation with Heyden.

German-Owned Company In Italy Offered for Sale

The Agency of the Italian government has offered 20,000 shares constituting the total property of S. A. Italiana Prodotti Schering, Milan, for sale at a reserve price of 700,000,000 lire.

All bids must be unconditional and irrevocable, and each must be accompanied by a guaranty for the sum of 35,000,000 lire in the form of an Italian Treasury receipt or a bank guaranty issued by a bank acceptable to the Committee on German Assets. Bids will be received until October 31, and should be enclosed in double envelopes (both sealed and wax) addressed to the Ministero del Tesoro, Ufficio Beni Alleati e Nemici, Rome, Italy.

Gane's Publishes Price List

Gane's Chemical Works has published its October price list. Among the principal chemicals listed are aminophylline, theophylline, barbiturates, benzocaine and para aminobenzoic acid. Gane's new executive offices are at 677 Fifth avenue, New York, and its plant is located at Carlstadt, N. J.

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Obituaries

—*Continued from page 4*

obscure organic chemical, Gardinol; recognized its detergent possibilities and procured rights for its introduction into this country. Later, under his direction, National Aniline undertook a fundamental research program on petroleum-based synthetic detergents. From this work came the Nacconols, alkyl aryl sulfonates, which today represent the most important class of detergents in America.

Dr. Otis W. Barrett

Dr. Otis W. Barrett, renowned agriculturist, entomologist and botanist, died October 6 in Clarendon, Vt. He was seventy-eight.

During his varied career, Dr. Barrett held posts in Mexico, Puerto Rico and Mozambique. From 1910 to 1914 he was chief of the division of horticulture of the Bureau of Agriculture, Philippine Islands. From 1914 to 1917 he was horticulturist for the Panama Canal Zone.

Arthur W. Dawes

Arthur W. Dawes, head chemist of the Rensselaer, N. Y., plant of General Aniline & Film Corporation, New York, died October 10 at his home in Albany, N. Y. His age was seventy-one.

Mr. Dawes came to this country from England in 1899, joining the staff of the American Color & Chemical Company, which merged with the parent company, General Aniline, in 1903. In 1905 he played an important role in the synthesis and manufacture of the first aspirin in this country, General Aniline's dyestuffs production at the time being supplemented by the manufacture of pharmaceuticals. Mr. Dawes was manager of the Rensselaer process development department until 1945, after which he served as a consultant.

Charles A. Geatty

Charles A. Geatty, director of National Lead Company, New York, and former manager of its metal department, died October 10. He was sixty-seven years of age.

Mr. Geatty, who retired in 1948, started his business career in 1899 with John T. Lewis & Bros. Company, Baltimore, Md. He became assistant manager of National Lead's Baltimore branch in 1928 and manager of the Atlantic branch metal division five years later. In 1938 Mr. Geatty became company manager of metal sales, and in 1940 was elected a director and member of the executive committee.

Charles A. Thayer

Charles A. Thayer, vice-president and a director of the R. T. French Company, Rochester, N. Y., died October 9 in that city following a banquet honoring his twenty-five years of service with the firm. He was seventy-three years of age.

Mr. Thayer, who joined the French organization in 1925, directed the company's importation of spices and mustard seed. He had previously been a member of the spice importing firm of Austin, Nichols & Co., New York. An authority in the field for many years, Mr. Thayer was president of the American Spice Trade Association from 1937 to 1939.

S. W. Cunningham, sales manager of U. S. Gutta Percha Paint Company, Providence, R. I., since 1941, died October 8 in that city. Mr. Cunningham joined U. S. Gutta Percha as director of sales promotion in 1924.

Edward M. Mills, principal founder and, until 1944, president and director of Rayonier, Inc., died October 10 in San Francisco, Calif. He was seventy-five years old. Mr. Mills was until recently a director of Crown-Zellerbach Corporation.

Harley J. Morrison, for many years chief chemist of Procter & Gamble Company, died October 7 in Cincinnati, Ohio. He was eighty-seven years old. Mr. Morrison, a grandson of William Procter, a founder of Procter & Gamble, resigned his P&G post fourteen years ago to become a consulting chemist.

Frederick E. Stillman, sr., vice-president of the James H. Forbes Tea & Coffee Company, St. Louis, Mo., died October 5 in that city. He was seventy. Mr. Stillman, an employee of the Forbes company for more than a half-century, was vice-president of the American Spice Trade Association from 1944 to 1945.

Roderick J. Peters, former president of the National Boston Lead Company, Boston, Mass., died October 8. Mr. Peters, who was president of the New England Paint, Varnish and Lacquer Association from 1942 to 1943, resigned his position with National Boston Lead several years ago to practice law.

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Botanical Drugs, Spices, Gums

Both the drug and condimental sections of the botanical market were on the dull side last week; medicinal items moved in moderate quantities but the call was steady; condimental materials experienced a substantial recession in spot-position trading. Strong items in the medicinal drug group included angelica and dandelion roots, ergot, juniper berries, papain, and Mexican saffron. Condimentals selling at advances included anise from China, cumin seed from Morocco, fennel seed from Czechoslovakia and France, mace from the West Indies, and marjoram from Bohemia. Weak items were restricted entirely to flavoring materials, led by pepper most of the week. China and all medium Saigon cassias were shaded. The reductions in Portuguese oregano, Indian celery seed, Jamaica pimento, and Argentine poppy seed were relatively small and the result of local conditions. The market index rose 3.1 points to 217.3 because of the special strength and price development in medicinal drugs of which ergot was the most influential member.

The lull that came to the Korean war once the Reds had been mostly cleared from South Korea appeared to have had its influence on demand in the botanical market as a whole. Scare buying had all but entirely disappeared last week, but not because of a change in the basic situation with respect to supplies of medicinal drugs. The crops here and abroad have been conservative, and war still goes on in Korea, where a new phase looking to total liberation of Korean territory started last week. These basic conditions remain even though scare buying has stopped.

Dealers felt that basic conditions still favored continued strength in prices, especially if consuming requirements shall be raised by a "bad" Winter quarter. Also, that an adverse war development—such as military reverses in Korea, or a widening of the theater of war—might cause another rise in scare buying.

Balsams

Copaiba—Firm at the source and exceptionally steady on spot. USP balsam was retained strongly at 75c. to 85c. per pound and it continued to have an upward tendency throughout the past week.

Fir—Any Canadian balsam offered under $31.50 to $32.50 per gallon has proven to be of a quality unsuitable for use by the optical trades. The optical quality was firmly, even strongly, maintained at the above quotations and the supply was not only limited on spot but not too satisfactory at the source of supply.

Barks

White Pine—Reserves were declared to be much under the quantity ordinarily to be in primary market warehouses this early in the consuming season. This becomes the more important when it is realized that most suppliers carried over but limited quantities of bark from their 1949 crop stocks.

Wild Cherry—Collections having been relatively a disappointment this year, the carryover from last year's crop has become of almost vital importance. So far as can be learned here, said carryover has been rarely smaller than it is this year. Given a normal demand, pressure on prices will be upward. Given above normal calls for bark, the pressure would be translated into higher quotations, according to most spot opinion.

Beans

Vanilla—Some cables received from foreign points supplying Bourbon beans reported a fall in export prices. This appeared to be the result of the long absence of large volume buying by the United States and was a natural weakening that appeared to be temporary and which made for an exceptional buying opportunity probably not to prevail very long.

It was significant that one of the largest extract makers displayed at least sufficient interest to begin a study of the current and probably future markets on Bourbon beans. It was learned that, without exception, import dealers were advising the purchase of vanilla beans now. They declared that only a miracle can prevent a sharp rise at the origin and in the secondary markets once general buying by the United States shall start. And this advice was given at a time when some cables reported recessions in foreign prices.

Berries

Juniper—The Food and Drug Administration reported no further detentions of arriving berries but importers have little doubt that at least a portion of each arrival will fail to be released for consumption. When the next crop is ready in Europe, the quality of exports from the origins may improve sufficiently to break the shortage that may exist with respect to released stocks in this market. Advices from foreign parts reported a drop of 50 percent in the crop and a sharp falling off in general quality. In fact, some said that the remainder of the previous crop was better in quality than the new production. The spot price went to 17c. to 20c. per pound for sound, merchantable berries.

Flowers

Chamomile—Further detentions on new arrivals by order of the Food and Drug Administration withdrew from potential stocks a matter of 50 bags. Thus, the spot market remained as tight as ever, and stocks still available were held in quarters with strong convictions regarding the value of their unsold, released flowers.

Saffron—Mexican material was held in very light supply at the origin, where prices have risen 15c. to 20c. per pound on goods still available for shipment. Spot quotations reflected the strength at the source of supply, and they prevailed higher at $1.10 to $1.20 per pound last week.

Gums

Arabic—Some quarters tried out a spot market at 14¼c. per pound, but competitive directions continued to name 13½c. and to report a moderate interest in the item at that price level.

Benzoin—This article should be doing better, if for no reason other than seasonal expectations and considerations. However, buying remained on the routine side and made only a moderate total.

Locust Bean—A steady withdrawal of moderate quantities proved more than sufficient to hold prices to an exceptionally firm to steady position. Stocks were moderate in size, and needs were sufficiently

Market Trends

Prices Advanced

Drugs

Dandelion root, 5c. per lb.
Ergot, 40c. per lb.
Juniper berries, 5c. per lb.
Papain, 50c. per lb.
Saffron, Mexican, 15c. per lb.

Other Articles

Anise, Chinese star, 1c. per lb.
Cumin seed, Morocco, 1c. per lb.
Fennel seed, Czech, dark, ½c. per lb.
French, 1½c. per lb.
Mace, West Indian, spot, 5c. per lb.
Marjoram, Bohemian, 2c. per lb.

Prices Reduced

Drugs

None

Other Articles

Allspice, Mexican, 2c. per lb.
Anise, Mexican, ½c. per lb.
Cardamom, green, Alleppey, 25c. per lb.
Cassia rolls, China, Canton or Kwangsi, select, ½c. per lb.
Saigon, medium, 4c. per lb.
Celery seed, Indian, ½c. per lb.
Oregano, Portuguese, ½c. per lb.
Pepper, black, spot, 7c. per lb.
October shipment, 2c. per lb.
October delivery, 6c. per lb.
November delivery, 7c. per lb.
December shipment, 2c. per lb.
red, Louisiana longs, 1c. per lb.
Pimento, Jamaica, 1c. per lb.
Poppy seed, Argentine, 1c. per lb.
Turmeric root, Alleppey, 2c. per lb.
Haitian, 25c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 14, 1949
217.3	214.2	205.4	193.6	185.4

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended October 6

New York

Cassia, 950 bales: filthy.
Chamomile flowers, 50 bags: filthy.
Chillies, 126 bags: filthy.
Coriander seed, 1,110 bags: filthy.
Fennel seed, 91 bags: filthy.
Hair dye, 4 cases: no English label.
Kola nuts, 100 bags: filthy.
Nutmegs, 60 bags: filthy.
Sage, 498 bales: filthy.
Shamonium leaves, 42 bales: filthy.
Turmeric, 159 bags: filthy.

For Late Market Developments, See Page 4

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large to eliminate surplus accumulations at this time.

Herbs and Leaves

Buchu—Still mainly steady in most quarters, while in directions recently shading the market, no further disposition so to do was reported last week.

Catnip—The feline species wont get their shot of catnip at cheap prices this year. The item was under-collected at a rising cost to primary market collectors, and those who distribute the item into consumption have paid high prices for a limited supply.

Digitalis—Consumers must depend mainly on imports from Europe, since the prices currently obtainable in this market have not made for profitable domestic cultivation.

Lobelia—It is now felt that recessions in price, such as they have been, have probably run their course and that the next price development is apt to be in upward direction if demand press sufficiently hard on the primary market stock.

Marjoram—Bohemian material was higher at 42c. to 43c. per pound. French merchandise now afloat to the spot was to be had at 42c. to 43c., in comparison with a late spot price of 45c.

Oregano—The only change came in the price on Portuguese material, which was shaded to 16c. to 16½c. per pound.

Miscellaneous

Ergot—The market was tighter than tight when it came to goods of any quality on the spot. Prices quoted were reported "all over the lot," and seemed to mean little, for the reason that most of those who ordinarily quote and supply the item lacked spot stocks. Some brokers said that "if you could find it," ergot should bring $5 to $5.25 per pound. But importers indicated that $5.50 would be nominal and the market could run to upwards of $6. Very little has been imported over a considerable period of time because of the very high prices most Portuguese and Spanish shippers have asked.

Papain—This market was up to $4.50 to $5.25 per pound, and the price to be paid depended on the origin of the material quoted and the quality of the goods actually available. The cheapest replacement market price meant that spots under $4.50 would be unprofitable.

Roots

Angelica—Imported material now costs so much abroad that spot goods would have to fetch 80c. to 90c. per pound if a profit were to be the lot of the seller. And at least one quarter reported "tonnage" inquiry and demand for the item. It was said that prices under 80c. could apply only on an "imported type." The domestic root was 65c. to 70c. per pound.

Dandelion—Lack of steady replacement articles plus detentions of arriving goods at the order of the Food and Drug Administration, has brought the spot market close to shortage and forced local prices higher to the basis of 55c. to 60c. per pound.

Golden Seal—The market has not worked higher but it tended in that direction because of replacement cost and the absence of normal stock reserves in local and source circles.

Ipecac—The market was firm, possibly strong but it was stronger in some quarters than in others. According to seller, whole root ranged $5 to $5.50 per pound and powder was $5.25 to $6. Fancier and higher prices might have to be paid for Brazilian root if it were available.

Rhubarb—No further change in the market was reported. It remained strong with respect to root of Chinese origin and at least steady when it came to the produce of India.

Senega—The rising market appeared to have come to its end, whether permanently or not remaining to be developed. Quotations were firmly maintained on the basis of $2.70 to $2.80 per pound.

Tumeric—Alleppey was shaded to 34c. to 35c. per pound but a small fraction was added to the quote on root of Haitian origin; it was named at 10¼c. to 10½c. Jamaican and Madras roots remained unchanged at 10c. to 10½c., and 17c. to 17½c. respectively.

Seeds

Anise—Chinese star anise was higher at 24c. to 25c. per pound, but seed of Mexican origin was shaded to 16c. to 16½c.

Cardamom—The sole change in quotations was a drop in the price on green cardamom from Alleppey; it was priced at $3 to $3.25 per pound, a fall of 25c. Bleached and decorticated seed held high in price and scarce as to supply.

Celery—Indian seed on the spot was shaded to 27½c. to 28c. per pound. At least 38c. to 38½c. would have to be paid for French material.

Coriander—The only change was a narrowing of the price range on Argentine seed which ended the week at 18c. to 18¼c. per pound.

Cumin—Moroccan seed was raised to 20c. to 21c. per pound. Seed from Iran and Syria held at 19c. to 20c. but tended higher.

Fennel—Dark Czech seed was higher at 12c. to 12½c. per pound. French seed was raised substantially to sell at 14c. to 14½c.

Mustard—Keen interest continued to be displayed in Montana seed but one of the largest shippers continued to abstain from quoting now to the open market; he said last week that he would not quote until his contracts had been met. Prices last named had been about 5c. per pound, f.o.b. the source.

Poppy—Argentine seed now on spot was offered lower at 17c. to 17½c. per pound. Dutch seed held at 20c. to 20½c.

Spices

Allspice—The article was returned to spot position at 20c. to 21c. per pound. Futures recently had been 22c.

Cassia—Most prices were inert. Canton rolls were shaded to 14c. to 14½c. per pound and extra select, broken material for shipment was off a fraction to 13¼c. to 13½c.

Cinnamon—The spot quotation of 34c. to 35c. per pound for Ceylon No. 2 spice seemed to be general last week.

Mace—West Indian material actually spot was higher at $1.50 to $1.55. Siauw No. 1 was 5c. per pound above that limit.

Pepper—Most of the past week the market was dull; sellers oftentimes said "make your own market"—which was a violent reverse from the recent past when buyers had to pay through the nose to getting any black pepper whatsoever. However, no element of true weakness appeared; at least that type of weakness suggestive of a steady, progressive disintegration of prevailing prices. The new Indian crop has been estimated at 20,000 to 22,200 tons, hardly sufficient for world needs unless Indonesia shall supply substantial quantities. Spot prices dropped to $1.78 just before the October 12 holiday.

Quotations on Friday were:—Spot, $1.74 to $1.75 per pound; October shipment, $1.78; October delivery, $1.73; November delivery, $1.71; December shipment, $1.50.

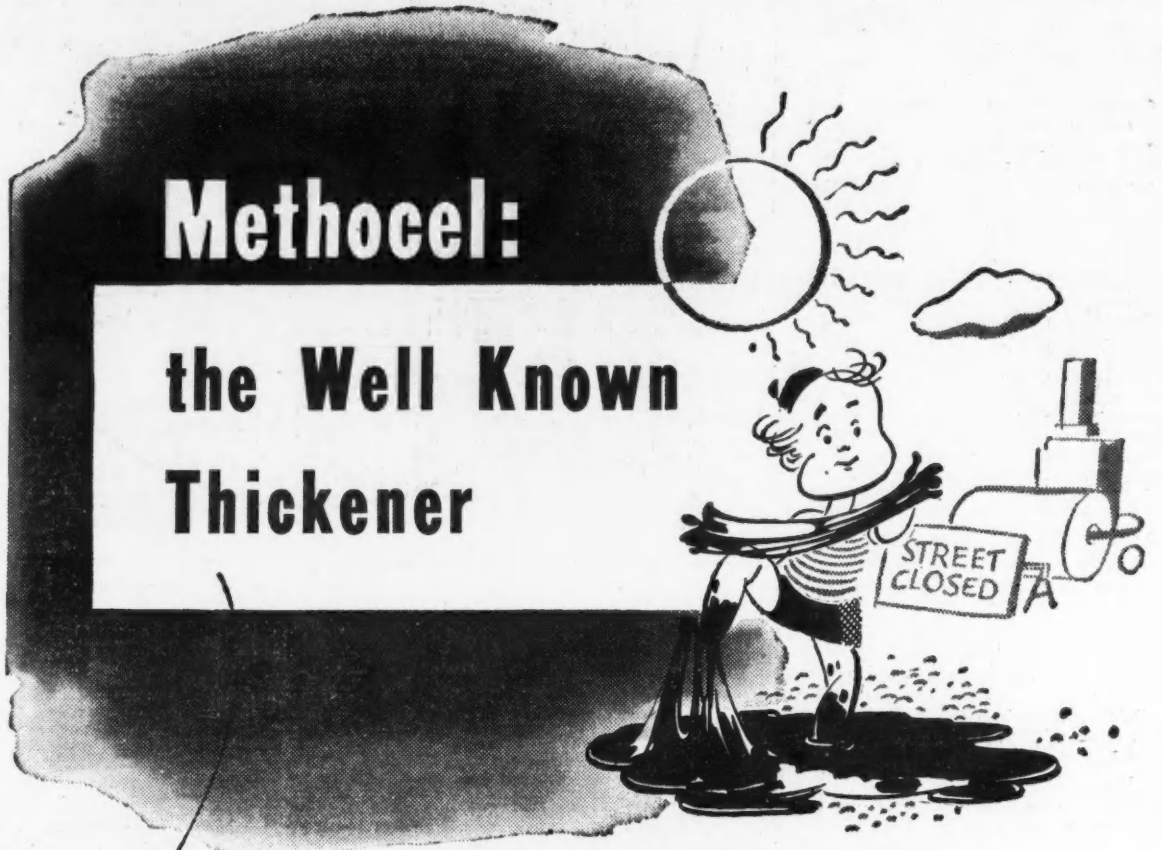
Eurenjy & Co. Correction

Through a typographical error, the advertisement of Eurenjy & Co. on page 601 of the 1950-51 edition of the *Green Book* listed the concern's telephone number incorrectly. The correct telephone number is WOrth 2-2818. The company is located at 220 Broadway, New York, and specializes in the importation of water soluble gums.

Trade Briefs

John E. Bierwirth, president and director of National Distillers Products Corporation, New York, has been elected a director of National Shares Corporation, replacing George L. Burr, retired.

Nan M. Collins, associated with the Roland G. E. Ullman Organization, Inc., Philadelphia, for more than twenty years, has resigned her position as account executive and secretary with the firm to open her own advertising agency.



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Paint, Varnish, and Lacquer—Drier in enamels, paints, varnishes.
Ingredient of varnish substitutes.

Cyclohexyl-1'-hydroxymethylcyclohexyl Carbinol Diacetate

Chemical—Claimed (Brit. 587749) as plasticizer and surface-active agent.

Dibutylethyleneglycol Bis-(3:6-endomethylenedelta-4:5-tetrahydrophthalate)

Adhesives—Plasticizer (Can. 440748) in adhesive compositions containing polyvinyl chloride resins.

Ceramic—Plasticizer (Can. 440748) in compositions, containing polyvinyl chloride resins, used as coatings for protecting and decorating ceramic goods.

Chemical—Plasticizer (Can. 440748) for polyvinyl chloride resins.

Cosmetic—Plasticizer (Can. 440748) in nail enamels and lacquers containing polyvinyl chloride resins as base material.

Electrical—Plasticizer (Can. 440748) in insulating compositions, containing polyvinyl chloride resins, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer (Can. 440748) in compositions, containing polyvinyl chloride resins, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware.

Leather—Plasticizer (Can. 440748) in compositions, containing polyvinyl chloride resins, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods.

Metal-Fabricating — Plasticizer (Can. 440748) in compositions, containing polyvinyl chloride resins, used as coatings for protecting and decorating metallic articles.

Miscellaneous — Plasticizer (Can. 440-743) in coating compositions, containing polyvinyl chloride resins, used for protecting and decorating various kinds of articles.

Paint, Varnish, and Lacquer — Plasticizer (Can. 440748) in paints, varnishes, lacquers, enamels, and dopes containing polyvinyl chloride resins.

Paper — Plasticizer (Can. 440748) in compositions, containing polyvinyl chloride resins, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp.

Plastics — Plasticizer (Can. 440748) in making laminated-fiber and molded articles, also plastic materials from or containing polyvinyl chloride resins.

Rubber — Plasticizer (Can. 440748) in compositions, containing polyvinyl chloride resins, used as coatings for protecting rubber goods.

Stone—Plasticizer (Can. 440748) in compositions, containing polyvinyl chloride resins, used as coatings for decorating and protecting artificial and natural stone.

Textile — Plasticizer (Can. 440748) in compositions, containing polyvinyl chloride resins, used in the manufacture of coated fabrics.

Wood — Plasticizer (Can. 440748) in compositions, containing polyvinyl chloride resins, used as protective and decorative coatings on woodwork.

N-1:2-Dicarbisobutoxy-N-octadecyl Sulphosuccinamate

Adhesives — Wetting agent (Brit. 587-271) in adhesive preparations.

Chemical—Wetting agent (Brit. 587271) in emulsions of various chemicals, textile lubricants.

Cosmetic—Wetting agent (Brit. 587271) in various cosmetic preparations.

Disinfectant—Wetting agent (Brit. 587-271) in disinfecting and germicidal compositions.

Dry-Cleaning—Wetting agent (Brit. 587-271) in dry-cleaning liquids.

Dye—Wetting agent (Brit. 587271) in various processes.

Fats, Oils, and Waxes—Wetting agent (Brit. 587271) in boring, cutting, drilling, and wire-drawing oils; greasing and lubricating compositions; sulphonated oils; wax preparations.

Ink—Wetting agent (Brit. 587271) in printing and writing inks.

Leather—Wetting agent (Brit. 587271) in dressing, fat-liquoring, finishing, soaking, softening, tanning, and waterproofing compositions.

Metallurgical—Wetting agent (Brit. 587-271) in metal-plating processes.

Miscellaneous—Modifier of surface tension of liquids in various products and processes.
Wetting agent (Brit. 587271) in coasters for beer glasses, embalming fluids, polishing compositions, soldering fluxes, wallpaper removers, waxing compositions, various processes involving aqueous solutions.

Paint, Varnish, and Lacquer—Wetting agent (Brit. 587271) in paints, varnishes, and lacquers and processes of pigment manufacture.

Paper—Wetting agent (Brit. 587271) in sizing, waterproofing, and waxing compositions.

Pesticide—Wetting agent (Brit. 587271) in fungicidal and insecticidal compositions, horticultural sprays.

Petroleum—Wetting agent (Brit. 587-271) in cutting oils and in compositions containing mineral oil, pitch, or tar.

Photographic—Wetting agent (Brit. 587-271) in blueprint and photographic processes.

Rubber — Wetting agent (Brit. 587271) in cements.

Soap—Wetting agent (Brit. 587271) in detergent compositions, textile soaps.

Textile — Wetting agent (Brit. 587271) in bleaching, boiling-off, bowking, carbonizing, degumming, dyeing, fulling, kier-boiling, mercerizing, and soaking baths; coating, oiling, scouring, sizing, spinning, washing, waterproofing, and waxing compositions; printing pastes.

Ethyleneglycol Bis(methallylcarbonate)

Adhesives—Solvent (US 2370571) in adhesive compositions, containing synthetic resins.

Ceramic—Solvent (US 2370571) in compositions, containing synthetic resins, used as coatings for protecting and decorating ceramic goods.

Dental—Solvent (US 2370571) in resinous compositions, used as dentures or ingredients of denture mixtures.

Electrical—Solvent (US 2370571) in insulating compositions, containing synthetic resins, used for covering wire and in making electrical machinery and equipment.

Glass—Solvent (US 2370571) in compositions, containing synthetic resins, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware.

Ink—Solvent (US 2370571) in rotogravure, stamp-pad, and textile inks.

Leather—Solvent (US 2370571) in compositions, containing synthetic resins, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods.

Metal-Fabricating—Solvent (US 2370-571) in coating compositions, containing synthetic resins, used for protecting and decorating metallic articles.

Miscellaneous—Solvent (US 2370571) in coating compositions, containing synthetic resins, used for protecting and decorating articles of various sorts.

Paint, Varnish, and Lacquer—Solvent (US 2370571) in paints, varnishes, lacquers, enamels, and dopes containing synthetic resins.

Paper—Solvent (US 2370571) in compositions, containing synthetic resins, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp.

Plastics—Solvent (US 2370571) in making laminated-fiber and molded articles, also plastic materials from or containing synthetic resins.

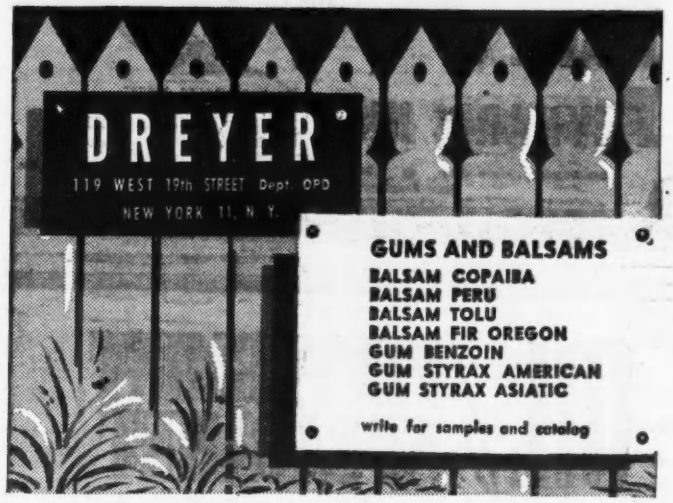
Resin—Solvent (US 2370571) for synthetic resins.

Rubber—Solvent (US 2370571) in compositions, containing synthetic resins, used as coatings for protecting and decorating rubber goods.

Stone—Solvent (US 2370571) in coating compositions, containing synthetic resins, used for decorating and protecting artificial and natural stone.

Textile—Solvent (US 2370571) in compositions, containing synthetic resins, used in the manufacture of coated fabrics.

Wood—Solvent (US 2370571) in compositions, containing synthetic resins, used as protective and decorative coatings on woodwork.



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Essential Oils, Other Aromatics

A generally stable position was assumed by the essential oils and aromatic chemicals market last week. It appeared that a peak had been reached in prices and a leveling off period might be expected. Replacements of most items continued to be tight and high priced but spot quotations fluctuated in both upward and downward directions, depending mainly on the supply position of individual dealers. Thus, there were single offers of such items as Italian bergamot and mandarin oils, as well as of niaouli, petitgrain and spearmint oils, which were considerably below those of the majority of handlers. Distilled lime oil was also priced more favorably in some quarters. Advances were made in the prices of clove oil and its derivative, eugenol, and in Canada fir, nutmeg, mace and turpentine oils. Rose and angelica oils were notably higher and the scarce Dalmatian sage and Bourbon vetiver oils were offered in very limited quantities at further advanced prices. For the first time in many months, the price index declined slightly, dropping 0.7 point to 199.2.

Although there continued to be few offers from the Italian source, both bergamot and mandarin oils of that origin were offered at more reasonable prices on the spot market by a few dealers. This was not indicative of an improvement in the situation, since most other handlers still asked prices far above the minimum. Lime oil was slightly easier, this being the result of a decline of buying interest, which was to be expected with the end of summer. Domestic orange and lemon oils appeared to have reached a state of equilibrium and were steadier in price.

Rose oil became suddenly stronger, but this was expected, since all materials from the Soviet and its satellites have been growing scarce and expensive with futures uncertain. Niaouli oil was mainly high, but was offered by one firm at a considerably lower price. Nutmeg and mace oils continued to gain strength and Canada fir oil grew sharply higher, being held in strong hands at the origin.

Aromatic chemical producers have been finding raw materials and production costs constantly advancing. This has caused a number of price advances during the past few weeks. Eugenol and isoeugenol have been increased in price in some quarters. The same was true of geraniol, extra grade. Anethol has been withdrawn from the market by most producers.

Market Trends

Prices Advanced

Angelica root oil, $10 per lb.
seed oil, $3 per lb.
Clove oil, 5c. per lb.
Eugenol, 15c. per lb.
Fir oil, Canada, 15c. per lb.
Mace oil, 15c. per lb.
Nutmeg oil, East Indian, 10c. per lb.
West Indian, 10c. per lb.
Rose oil, Bulgarian, $2.50 per oz.
Sage oil, Dalmatian, $1 per lb.
Turpentine oil, NF, 1c. per lb.
Vetiver oil, Bourbon, $1 per lb.

Prices Reduced

Bergamot oil, Italian, 25c. per lb.
Grapefruit oil, 10c. per lb.
Lime oil, distilled, Mexican, 50c. per lb.
West Indian, 10c. per lb.
Mandarin oil, Italian, 25c. per lb.
Niaouli oil, 60c. per lb.
Petitgrain oil, 10c. per lb.
Spearmint oil, 5c. per lb.
Ylang-ylang oil, Bourbon, extra, $1.50 per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 14, 1949
199.2	199.9	185.6	102.8	101.7

(*For Current Prices see Page 9*)

Essential Oils

Angelica—Oil distilled from both roots and seeds has gained some strength. The small available quantities of this high-priced oil were advanced, with root oil selling at $150 to $160 per pound and seed oil at $100 to $130 per pound. Trading of these items was limited mainly to producers of liqueurs.

Bergamot — Local competitive selling has resulted in a lower offer of natural Italian oil at $6.25 per pound. Other prices ranged from $6.50 to $7 per pound. There were virtually no offers from the source. With the scarcity of natural oil, dealers have found users showing greater interest in imitation oil, which was available at a wide range of prices, from $3.75 to $5.25 per pound. With consumers becoming used to the lower priced artificial oil, it may be that natural oil will be less in demand, even when it becomes more easily obtainable, according to one observer.

Bois de Rose—Although it has been reported that primary shippers have been attempting to push prices still higher, spot material remained unchanged in price, ranging from $3.70 to $4.15 per pound, the level arrived at the previous week.

Cedarleaf—Continuing to exhibit a great deal of strength, this oil was held firmly at prices from $2.45 to $2.65 per pound. The majority of handlers placed their prices nearer to the top of the range. They reported that there was a decline of trading activity, which was probably the result of the increased price.

Cedarwood—In some quarters, the price of this oil was advanced, reflecting the higher cost of replacements. Others continued to quote the item at unchanged prices. The spot market ranged from 35c to 60c per pound, depending upon container.

Celeryseed—With prices of $16.50 to $18 per pound for this article, activity continued at the same quiet pace. Supplies have been reaching the spot market in quantities adequate to meet all needs.

Citronella—All varieties have shown a good deal of strength and stocks were smaller than desirable. Ceylon oil could be had at prices ranging from $1.50 to $1.90 per pound, while true Java oil was available in limited quantities at $2 to $2.65 a pound. Java-type material was extremely firm at about the same prices of $2 to $2.55.

Clove—There was a rise of 5c. per pound in the price of this item. It was offered on the spot market at $2.05 to $2.45 a pound. According to observers, the price of the clove buds has not changed for the past few months, and it might be expected that the oil will continue at the present price level for at least a month, unless there is some change in futures.

Eucalyptus—Although dealers reported there to be offers from Australia, prices quoted at that source were very high. Material from other parts of the world were slightly lower. The prices of the previous weeks continued to be fairly stable. The 70-80 percent grade could be had at 74c. to 88c. per pound, and the 80-90 percent article was priced at 85c. to $1.10 per pound. There was active demand for both types.

Fir—Canadian oil has grown steadily stronger during the past few weeks. Last week the market price took a sharp leap upward to range from $2.10 to $2.25 a pound, some 15c. higher than previous offers. This rise reflected a comparable advance in the shipping price. According to one observer, this oil and other domestic evergreen oils were seen to be gaining strength in sympathy with the tight abies siberica oil situation.

Grapefruit—One dealer quoted this material 10c. per pound lower than the previous price at 90c. a pound. It was offered by others up to $1.75. There was small interest in the oil and all inquiries were adequately met.

Guaiacwood—This oil has remained rather stable. One handler made the material available at a price of $1.65 per pound. Other prices ranged higher to $1.90. Supplies, while not overly large, were sufficient to meet the requirements of consumers.

Juniper—According to the trade, the berry oil has tightened up somewhat and there has been word received of a sharp rise in replacement costs. Spot prices were unchanged last week, NF material going at $2.75 to $3.25 per pound, and twice rectified oil at $3.75 to $7 a pound. Tar oil remained a quiet item of limited use and was priced at 37c. to 60c. per pound.

Lavandin—A firm tone was featured by this item, which was quoted at $2.55 to $3.25 per pound. New crop material has begun to come to market, but costs at the source have gone higher. Dealers felt that the spot price might yet advance further in the near future as a result.

Lavender—Flower oil remained very tight with new material priced higher at the origin. Prices on the spot market fluctuated somewhat. The 30-32 percent ester grade of flower oil was unchanged at $3 to $4 per pound, while one dealer was able to offer both 38-40 percent and 40-42 percent grades below the previous minimum. The former oil was priced at $4.75 to $5.75 per pound and the latter at $5.50 to $6.25 per pound. Spanish

For Late Market Developments, See Page 4

spike oil, which has been quite a bit easier in supply, was unchanged in price, at $1.50 to $1.70 a pound.

Lemon—All varieties remained steady during the last week. California material was priced from $3.95 to $4.25, according to brand, while the imported Italian oil was available in limited quantities at $4 to $7.50 a pound. Terpeneless oil was offered at a wide variety of prices, ranging from $32 to $65 a pound.

Lime—Prices declined on both Mexican and West Indian distilled oil. The former was available at $5.75 to $7 per pound, some 50c. below the previous offers, and the latter oil could be had at $6.25 to $7.25 a pound. Consumer interest in these items has quieted down with the coming of cooler weather, since the greatest portion of oil is used in the preparation of soft drinks. However, there continued to be a steady sale to candy manufacturers.

Mace—A further increase of 15c. per pound was made in the price of this oil, bringing the market to $3.65 to $4.90 a pound.

Mandarin—Although the Italian oil was said to be rather limited in supply, one dealer offered it at the lower price of $5.25 a pound. Others held prices at $5.75 ranging up to $8.50 a pound. Domestic oil was offered by a few dealers at the recently advanced prices of $1.90 to $1.95 a pound. Neither oil was particularly active.

Niaouli—One dealer was in a position to offer this material at the low price of $1.95 a pound. Throughout the market, however, prices were held more nearly at $2.75 a pound. The item was generally rather firm.

Nutmeg—Both East Indian and West Indian oils became stronger last week. East Indian material advanced 10c. per pound to range at $3.65 to $3.90 a pound. West Indian oil moved up to $3.60 to $3.65 per pound. With the high cost of replacements, these firmer prices were likely to prevail for a while.

Orange—New crop oil from domestic sources was expected in thirty days from now, but the spot market was still fairly strong. California oil was offered at $1.10 to $1.75 per pound, depending upon producer. Floridian material exhibited signs of further strengthening, but was quoted at the prices of the previous week, ranging from $1 to $1.50 a pound. Italian oil was noticeably scarce, and was priced at $3.50 to $5.50 a pound.

Palmarosa—With the extreme tightness of geranium oil, this oil has firmed up somewhat, although the two oils are not interchangeable in use. Prices ranged from a low of $7.85 a pound to $9.25.

Patchouli—This oil has been in a strong position for some time and continued to be scarce and hard to get. Material from Singapore has been reported to be reasonably available, but there was very little from Indonesia. Several handlers placed the material at $22 a pound, but others asked prices of $23 to $26 a pound.

Petitgrain—One dealer reported offerings to be coming from South America at slightly more favorable prices than had been seen recently. Others still found the material to be rather tight and high priced. This made for a widely varying range of prices from a minimum at $2.25 a pound to $3.40, with most offers at $2.75 to $3 a pound.

Pimento—Leaf oil was offered in fair volume at prices of $1.50 to $1.85 per pound. An advance in the cost of berries has made that oil assume a firmer position and may force prices higher. Demand for this oil has not been too great in recent weeks.

Rose—This material has moved quite a bit higher in price. It was offered at $35 to $42 an ounce last week. Coming from Soviet-dominated Bulgaria, the oil showed the same upward tendency as all such materials and future supplies were uncertain.

Sage—Those few dealers who still held small amounts of Dalmatian oil, placed the material at the extremely high prices of $10.50 to $11 a pound. These quotations were more than three times higher than those of a year ago. There have been no replacements received for many months and there has been no indication of future improvement of this serious situation.

Spearmint—One dealer, being in a good position of supply, offered this oil at the slightly lower price of $4.25 a pound last week. This was not true of the rest of the market, since all other offers were at least 25c. higher and up to as much as $5 a pound. According to the trade, replacements were moving higher in price.

Turpentine—Without any obvious reason, producers again advanced the price of this oil, forcing traders to increase their quotations. It was offered by one firm at 28c. a pound, but ranged as high as 58c. in other quarters. The material was not too widely used and supplies were adequate to meet requirements.

Vetiver—The very limited quantities of Bourbon oil on the spot market showed further advance last week and were offered at prices ranging from $25 to $30 a pound. Haitian material was unchanged at $22 to $23 a pound, and the few offers of Java oil were steady at $22 to $26 a pound.

Wormseed—This oil has continued to gain strength. While being offered at $6.10 per pound by one dealer, the price of $6.50 was more general. Very small quantities of material were in evidence on the spot market and the trade was anxiously awaiting the new crop.

Ylang-Ylang—Oil from Reunion continued to be extremely tight and high in price, although the extra grade oil was offered by one handler at a price slightly lower than the previous minimum. It could be had in limited quantities at $18.50 to $21 a pound. Other material from that source was quoted at $12 to $16 a pound.

Aromatic Chemicals

Anethol—This material was just about nonexistent on the market. Producers apparently had none to offer and there were no signs of improvement in the situation for the near future.

Eugenol—With clove oil in a tight position at steadily rising prices, this derivative has become more expensive. The lowest offer made last week was $2.65 a pound with other quotations ranging up to $3.25.

Geraniol—There was a widening of the price range in an upward direction for the extra grade item. It was quoted at $2.60 to $3.20 a pound. Producers reported

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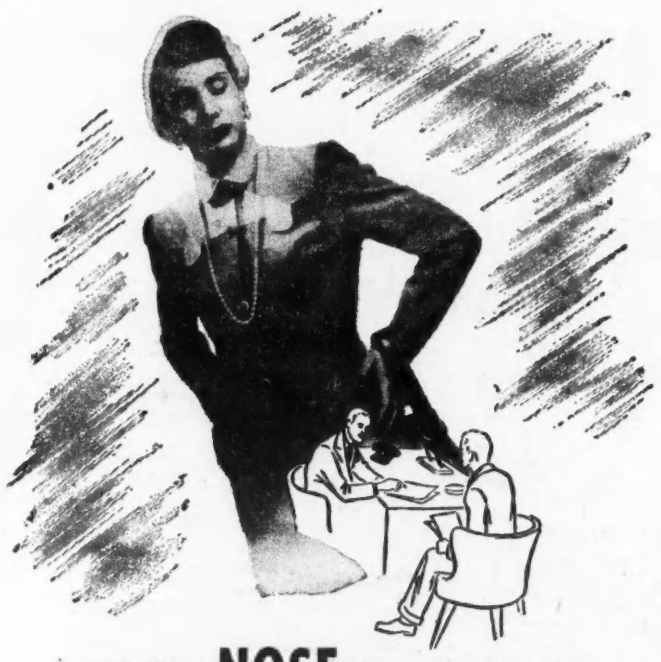
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the basic materials scarce and high in price resulting in an advance in the production costs of the derivative.

Isoeugenol—Similar to the related eugenol, this clove oil derivative has grown firmer. While it continued to be available at $3.50 in some quarters, others have been forced to advance prices to as high as $3.85 a pound.

Terpin Glycol Ether—According to manufacturers, this item has become extremely tight. There was little available on the market and prices were rather firm.

Dow Names Galitz to Bush Aromatics Post in Chicago

Vernon K. Galitz has been named Chicago representative of the Bush Aromatics Division of the Dow Chemical Company, Midland, Mich. Mr. Galitz will work out of Dow's sales office in Chicago's Field Building. His territory includes Indianapolis, Milwaukee, and the Twin Cities.

Bristol Laboratories Plans Expanded Penicillin Output

Bristol Laboratories, Inc., Syracuse, N. Y., has announced plans calling for a $2,000,000 expansion program of its penicillin production facilities. The concern stated that two buildings at its Syracuse plant would be enlarged and that new equipment would be installed. Although the program is already under way, the scheduled completion date was not revealed.

McCormick Elects Weiser

McCormick & Co., Baltimore, Md., has elected Bernard Weiser, director of general sales for the company since 1946, vice-president in charge of sales. Mr. Weiser joined McCormick in 1944, and two years later was elected to the company's board of directors. Earlier this year he was named vice-president of McCormick Overseas Company, export division of the parent organization. Prior to coming with McCormick, he was associated with the American Radiator Company as assistant to the vice-president and with Daniel Morris Company as sales manager.

Scientific Glass Offers Data on New Lab Aids

A new sixteen-page issue of "What's New for the Laboratory" has been released by the Scientific Glass Apparatus Company, Bloomfield, N. J. It illustrates and describes a number of new items including a varicell which eliminates storage batteries, a quadrant culture plate, a flask with special cork insulated top to prevent burns to hands, and a vacuum oven that's heated by radiation.

It also tells about a new microscope lamp featuring optical control of light intensity, a new type mortar and pestle, a tubular filter made of fritted glass, a sponge particularly adapted to laboratory use, and introduces an ASTM certified thermometer testing set. All told, twenty items are illustrated and described.

A free copy of "What's New for the Laboratory" can be obtained by writing directly to the Scientific Glass Apparatus Company.

NYU Offers Alkyl-Titanate Data

A new eight-page booklet, titled "A Review of Developments of Alkyl-Titanates," is available at 15 cents per copy from V. W. Palen, Bureau of Public Information, New York University College of Engineering, New York 53. The booklet discusses formation of alkyl-titanates, organic titanates especially butyl-titanate, methods of preparation, use of alkyl-titanates in the textile field and as paint vehicles, modified products, and effects on oils.

Dreyer Names Midwest Agent

P. R. Dreyer, Inc., New York, has severed its relationship with the William H. Schutte Company, Chicago, which represented Dreyer in the Midwest for more than twenty-five years. Frank R. Steele has been appointed special sales representative for Dreyer in Chicago and surrounding territory.

Maubert to Study U. S. Market

Jean Maubert, a director of P. Robertet & Cie., Grasse, France, will arrive tomorrow to investigate current market conditions of essential oils in the United States. Mr. Maubert will confer with Shaw Mudge, director of Robertet's New York branch office, to review the situation, and, if necessary, to formulate new company policies.

Amer. Fair Trade Council To Meet November 15-16

The American Fair Trade Council will hold its eleventh annual meeting November 15 and 16 at the Waldorf-Astoria hotel, New York. Sessions on November 15 will be devoted to meetings of the board of directors and committees, and to the members annual business meeting, at which 1951 directors will be elected. There will be a closed "all-industry" meeting on the morning of November 16, which will be a discussion of pending antitrust law prosecutions in states having no fair trade acts. The council's regular open forum luncheon meeting will follow the closed session, and will consist of a series of panels dealing not only with general operations of fair trade but also with fair trade operations in specific industries.

TGA Expanding Exchange Dept.

The Toilet Goods Association has announced plans to expand the exchange department which has been a feature of association bulletins during the past few years. The move is designed to enable members to trade surplus raw materials for the production of perfumes, cosmetics and other toilet preparations for other needed products.

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Protective Coatings Materials

The orange grades of shellac and casein from the Argentine showed weakness in last week's market, but otherwise prices were firm and showed indications of staying that way. Demand for most items was still at high levels, while the supply picture often left something to be desired.

The colors in general were in a firm market. Lead and zinc metals held unchanged and therefore there were no revisions in the listings of the pigments. One source reported that there seemed to be some easing in the synthetic resins picture. Others, however, reported the demand still high and the supply as tight as ever. There were other indications, however, of a somewhat lessened demand for finished products made with synthetic resins.

Natural resins remained about where they had been. The market was firm and no softening was apparent. A slight easing in demand was noted but was thought to be only a temporary thing. Supply was not free but most materials could be furnished if producers were given a little time.

The lowering of shellac was not regarded seriously. Demand was still holding at good levels. Supply was satisfactory. The India market was without feature. Demand was off for both Argentine and domestic casein. The flush was just starting in the Argentine and output was expected to be greater than last year. There were no stocks of Argentine left over from the last season and the stocks of domestic were in balance with demand.

Prime Pigments

Earth Colors—Imports of 2,320 bags were received here from Avonmouth and 1,332 bags from Larnaco during the past week.

Lead Pigments—The metal held to its previous listings during the past week and there were no reliable indications that there would be any immediate revisions. With the metal staying put, the listings on the pigments were unchanged. Supply and demand were about what they had been.

Orange, Cadmium, Lithopone—This item was going from $1.12 to $1.30 a pound during the period under review and the demand was being noted at high levels, as it had been in the recent past. The supply was none too strong although it was reported that producers were generally able to take care of the normal wants of their customers.

Orange, Chrome, CP—Demand continued to be noted at good levels and there were no signs that it would undergo any falling off in the foreseeable future. The supply was not all that it might have been. One producer reported that it did not have enough of the material while another said that it was a little behind on the filling of orders. The item was listed at 30c. to 38½c. per pound.

Red, Alizarin—The concentrated material was being sold at $2.60 per pound during the period under review. There was no let up in the strong demand that had been in effect for some time and it was reported that the item was being allocated in an effort to spread as fair a share of it around among consumers as possible.

Red, Cadmium, Lithopone—As it was for most colors, the demand for this was at a high level last week and the indications were that it would stay there for some time to come. Supplies were on the tight side, as they had been for some time, and there seemed to be no indications that there would be any appreciable easing in the immediate future. Normal orders could be taken care of with reasonable promptness, but beyond that the supply picture was not especially bright. The deep shade was bringing $1.50 to $1.55. Light shade was worth $1.40. Medium shade was bringing $1.50 and medium-light was worth $1.45.

Red, Lithol Toner—This item was priced at 85c. The demand for it continued heavy and the trade expected that that condition would prevail for some time yet. The supply, according to one producer, was such that it was forced to allocate material in an effort to spread as fair a share as possible around to its customers. There seemed to be no signs of any great improvement. In another section of the trade it was said that deliveries were a little behind schedule but that in general the situation was not too bad.

Yellow, Benzidin—The demand for this material was coming in as high as it had been for some time past and there were no signs that there would be any appreciable slackening in call in the immediate future. The supply was not strong enough to fill the needs of the market without some difficulties. One producer reported that it did not have enough material, while another stated that it was a little behind on delivery schedules. The price was $1.91 per pound.

Yellow, Cadmium, Lithopone—A price of $1.12 prevailed for all shades. The demand was still up to high levels and the indications were that it would stay that way for the immediate future, at least. The supply was still not so strong as the trade would like to see it. Ordinary sized orders could generally be taken care of with reasonable promptness, but beyond that there was nothing much that producers could guarantee their customers.

Yellow, Chrome, CP—The price listing as of last week was 30c. to 31c. per pound. The demand was still high and the industry thought that it would continue at that level for some time to come. At least, there seemed to be no concrete indications that there would be any appreciable falling off in call in the near future. The supply was not quite so strong as the trade wanted to see it and in some cases shipments were a little behind schedule.

Yellow, Hansa—Depending on grade, this material was being listed at $1.91 to $2.15 during the past week. The demand was still strong and it was expected that it would stay that way for at least the foreseeable future. The supply was not all that it might be. One producer stated that it was somewhat behind on deliveries, although it characterized the availability as still not too tight. In another section of the industry it was said that supply was still not strong enough to satisfy the needs of the consumers with the promptness and in the amounts that were sometimes desired.

Zinc Pigments—The metal showed no change in price last week. Slab zinc at the end of September was reported to be in the tightest supply spot it had been in for twenty-five years. Demand continued at a high point. With an absence of change in the metal, the pigments listings were also holding to former levels. There were no indications of any changes in immediate prospect.

Synthetic Resins

There were some indications last week that the crest of the abnormally high demand may have been reached and that business is on the way back to normal. This opinion was still not general throughout the industry, however. One producer of alkyds, phenolics, maleics and modified phenolics was optimistic. He felt that his firm was now over the hump and said that supplies were better and that it could make shipments within one or two weeks. Prices on the alkyds were up 2c. to 5c. a pound and on the pure and modified phenolics 1c. per pound in the last week or so. This was thought to have had some effect on demand. This maker said that demand was now at what could be called normal levels.

Another source, making styrenes, terpenes and cumar-indenes saw no easing and said it can't begin to fill orders. It is in the process of adding to its manufacturing facilities and is expecting no great easing for the next two years. A third producer said it had heard rumors of easing but had seen none within its own organization. This maker was of the opinion that some consumers had bought more than their needs or even foreseeable needs warranted. This was not uniformly the case, however, for much of the ordering was for business in hand. There were some signs of an easing off in demand for finished products, it was said, and this might move back down the line to the manufacturers of the resinous materials.

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Rosin, gum, Savannah, G, 60c. per 100 lbs.
H, I, 12c. per 100 lbs.
K, M, N, 10c. per 100 lbs.
WW, X, 13c. per 100 lbs.
Turpentine, gum, Savannah, 3¼c. per gal.

Prices Reduced

Casein, imported, acid-precip., 2½c. per lb.
Shellac, lemon, No. 1, No. 2, superfine, TN, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 14, 1949
206.6	206.6	192.7	196.4	202.6

(*For Current Prices see Page 9*)

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Natural Resins

The market for gums showed no great change from the previous period. It was said that the demand seemed to be a bit easier, but this was a fluctuating thing and did not cause any great concern in the trade. From week to week, it had been noticed, trade was either up or down a bit but on the whole the level pretty well maintained itself. Supplies of most items were generally in a strong enough position to fill the normal needs of the market without too much difficulty. True, some were shorter than others, and in some cases it was necessary for consumers to wait a bit for their material, but they were generally able to get what they required. No great difficulty in filling the needs of the trade was expected in the foreseeable future, it was said. The price picture was unchanged from the previous week. The market was generally firm, but gave no concrete indications of any considerable changes in the immediate future. In recent weeks, European buyers had been in the market for considerable amounts of material and that had had its effect by keeping the price structure firm, but there were those who believed that in the near future there might be some easing of the demand from Europe.

Imports of copal gum last week amounted to 361 bags from Luanda and 1,334 bags from Matadi. Arrivals of dammar gum were 1,216 bags and 50 cases from Singapore.

Shellac—The market was shaded down 1c. last week for the orange grades but the bleached grades held firm. This made the new listings:—lemon No. 1, 49c. to 50c.; lemon No. 2, 47c. to 48c.; superfine, 45c. to 46c. and TN, 43c. to 44c. Demand was still going along at good levels and the supply was sufficiently high to meet it without any real difficulty. The India market was without special feature.

Imports of shellac last week included 50 bags from Bremen, 44 bags from Hamburg, 1,257 bags and 130 cases from Calcutta. Arrivals of seedlac amounted to 1,800 bags from Calcutta and 273 bags from Singapore.

Miscellaneous Materials

Casein—Argentine material dropped to 33¾c. per pound last week, from the previous week's listing of 36¼c. Demand was reported to be off considerably. The flush season has just started in the Argentine and the supply there is expected to be bigger than last year's. There were no stocks left over from the last producing season. No offerings were received here from European sources. Domestic prices were holding but the demand was not great. It was thought that consumers were holding off on their purchases in an effort to bring about a lowering in listings. Supply was satisfactory. There were neither shortages nor surpluses.

Last week's arrivals of casein included 7,620 bags from Buenos Aires and 229 bags from Ponta Delgada.

Dry casein production during August totaled 1,425,000 pounds, the largest for the month since 1947, according to the Bureau of Agricultural Economics. The month-by-month table, by years, follows:—

Stocks held by driers at end of month:—

	1950	1949	1944-48 average
January	1,325,000	2,085,000	3,031,000
February	1,525,000	2,300,000	3,008,000
March	1,760,000	2,350,000	2,799,000
April	2,350,000	2,790,000	3,205,000
May	2,925,000	3,500,000	4,142,000
June	3,820,000	3,100,000	4,672,000
July	3,410,000	3,150,000	4,472,000
August	3,100,000	2,000,000	4,375,000

Change in 1950 from:—

	1949	1944-48 average
January	—36	—36
February	—34	—29
March	—25	—37
April	—16	—27
May	—16	—9
June	+23	—18
July	+ 8	—24
August	+55	—29

Production:—

	1950*	1949*	1944-48 average
January	1,400,000	1,020,000	1,147,000
February	1,350,000	1,660,000	1,141,000
March	1,850,000	2,100,000	1,472,000
April	2,400,000	2,725,000	1,889,000
May	2,410,000	3,225,000	2,705,000
June	2,700,000	2,600,000	3,207,000
July	1,700,000	1,725,000	2,230,000
August	1,425,000	1,275,000	1,602,000
Total	15,235,000	16,330,000	15,392,000

Change in 1950 from:—

	1949	1944-48 average
January	+37%	+22%
February	—19%	+18%
March	—12%	+26%
April	—12%	+27%
May	—25%	—7%
June	+ 4%	—7%
July	— 1%	—24%
August	+12%	—11%
Total	— 7%	— 1%

* Estimated. Subject to revision when the final enumerations are available for 1949.

Glue—Production of hide glue during

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August was reported to be 5,421,732 pounds as compared to 3,818,949 pounds during the previous month. During August of last year output was 4,451,864 pounds. Shipments during August of this year amounted to 7,275,075 pounds. During July they were 6,084,778 pounds, while during the month of August last year the shipments amounted to 4,102,375. Stocks at the end of August were 9,134,269 pounds as against 10,987,612 pounds at the close of the previous month. At the close of August a year ago stocks were 14,729,414 pounds.

Naval Stores

The record of the gum naval stores markets during the week ended October 13 was as follows:—

Gum Rosin

Price per 100 lbs.

	Savannah Exchange (Low of range)				New York c.i., l.c.l., f.o.b. ex N. Y. whse.	
	Mon.	Tues.	Wed.	Thurs.*	Fri.	Friday
B	$4.10	$4.10	$4.10	...	$4.10	$8.00 $8.75
D	4.25	4.25	4.25	...	4.25	8.00 8.75
E	4.75	4.75	4.75	...	4.75	8.20 8.95
F	6.60	6.60	6.60	...	6.60	8.20 8.95
G	6.60	6.60	6.60	...	7.20	8.20 8.95
H	7.08	7.20	7.20	...	7.20	8.20 8.95
I	7.08	7.20	7.20	...	7.20	8.20 8.95
K	7.10	7.20	7.20	...	7.20	8.20 8.95
M	7.10	7.20	7.20	...	7.20	8.20 8.95
N	7.10	7.20	7.20	...	7.20	8.20 8.95
WG	7.20	7.20	7.20	...	7.20	8.30 9.05
WW	7.37	7.30	7.50	...	7.50	8.40 9.15
X	7.37	7.30	7.50	...	7.50	8.40 9.15

	Drums				
Sales	200	232	100	...	203
Receipts	1,449	1,044	1,847	...	1,731
Shipments	...	...	17	...	...
Stocks	36,320	37,364	39,194	.....	40,925

Gum Turpentine

New York, Friday, tankcars, f.o.b. gal. (7 lbs.) .78
ret. dms., l.c.l., ex whse gal. (7 lbs.) .88

	Savannah Exchange, Bulk				
	Mon.	Tues.	Wed.	Thurs.*	Fri.
Per gal	.65	.67	.68¼	..	.68¼
Sales, bbls	...	...	160	..	...
Receipts, bbls	1,488	1,059	877	..	1,223
Shipments, bbls	74	124	159	..	209
Stocks, bbls	14,694	15,629	16,347	..	17,361

* No market.

Zak Forms Co. in Chicago

Joseph P. Zak has formed his own company to serve the paint, varnish and lacquer trade in the Chicago area. Mr. Zak will maintain offices at 1127 West Division street, Chicago 28. The telephone number is MOhawk 4-2282. At present handling the Georgia Marble Company's line of calcium carbonates, Mr. Zak stated that he has the representation of other products under consideration.

Newark Plaster Bought By National Gypsum Co.

Newark Plaster Company, New York, has discontinued the manufacture of all paint products, effective October 1. The concern's manufacturing equipment, formulas, inventories and brand names have been purchased by National Gypsum Company, Buffalo, N. Y., which will continue to manufacture and distribute Newark's brand-name products along with that concern's own line.

All unfilled paint orders on Newark Plaster's books have been turned over to National Gypsum for shipment as promptly as manufacturing operations will permit. Future orders for "Topper," "Royal Topper," "Krevix," "Kaltex," "Patching Plaster" and "Munns Hot Water Wall Size" should be sent to National Gypsum's paint division, 325 Delaware avenue, Buffalo, N. Y.

Naval Stores Breakfast Slated for November 17

The 1950 naval stores breakfast will be held on November 17 at 8:30 a.m. at the Fairmont hotel, San Francisco, Calif., during the proceedings of the annual National Paint, Varnish and Lacquer Association convention in that city. Sponsored this year by the San Francisco club, the traditional event will feature a review of conditions in the wood rosin and steam-distilled market by Ernest Holdman, of Newport Industries, Inc., New York. There will also be a paper covering gum rosin and turpentine. Reservations can be made with S. L. Abbot, The S. L. Abbot Company, 135 King street, San Francisco 7.

Quebec Iron & Titanium Appoints Walling Canadian Operations Head

Quebec Iron & Titanium Corporation has appointed Frank E. Walling general manager in charge of the company's Canadian operations. He succeeds A. H. Robertson, who resumes his position as vice-president and general manager of Kennco Explorations, Ltd. Quebec Iron is a subsidiary of Kennecott Copper Corporation and New Jersey Zinc Company.

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Goodrich Acquires Harmon Color Works as Subsidiary

B. F. Goodrich Chemical Company, Cleveland, Ohio, has acquired the Harmon Colors Works, Inc., from American Home Products Company. Harmon has been manufacturing organic color pigments and dyes at its two plants located in Kearny and Haledon, N. J. It will continue to operate under the same management and at the same locations as a subsidiary of B. F. Goodrich Company, the parent organization of Goodrich Chemical.

Prufcoat Names Hersam, Hilton to Managerial Posts

Prufcoat Laboratories, Inc., New York, has appointed G. Russell Hersam general sales manager. At the same time, the concern announced the appointment of Robert W. Hilton as assistant general sales manager. Both Mr. Hersam and Mr. Hilton will make their headquarters at the concern's general sales office.

GE Names Chase

The chemical department of General Electric Company, Pittsfield, Mass., has named Constantine L. Chase sales development supervisor in the phenolic product sales section. Mr. Chase came with the company in 1947, and the following year was assigned to phenolic products sales handling resins and varnishes. For the past year he has been in the new product development laboratory. Prior to coming with General Electric, he was with Dow Chemical Company, Midland, Mich., where he worked on plastics research and development.

Russell Manufacturing Adds Brown to Plastics Research

Richard J. Brown, plastics engineer, has been appointed to the development department of Russell Manufacturing Company, Middletown, Conn. Formerly with Rex Corporation, Cambridge, Mass., he had charge of the development of plastics for textile applications In his new connection, Mr. Brown wil' be concerned with plastics research for many of the Russell company commodity divisions.

Witco Issues Technical Data

Witco Chemical Company, New York, has issued three new technical reports. They are entitled "Witco Stabilizers and Lubricants for Plastics" (S-3), "Witco Stearates for Protective Coatings" (M-11) and "Witco 24 Percent Lead Naphthenate" (P-13). The publications are designed to acquaint formulators with general information and properties of the respective materials. Copies are available upon request to the company, 295 Madison avenue, New York 17.

Naval Stores Suit

—*Continued from page 3*

sold over the Savannah Exchange, the prices posted on the exchange are the basis on which the defendants control prices paid to farmers and central distilleries for crude gum, rosin and turpentine throughout the entire gum producing areas.

It is alleged that over 8,000 farmers in Georgia, Florida, South Carolina and neighboring states are forced to sell their annual crops valued at over $40,000,000 on a market in which the prices are rigged by the purchaser.

"An object of this suit," Attorney General McGrath said, "is to assure that prices on the Savannah Exchange are arrived at through competition and not through collusion."

Price to Ultimate Consumer

William A. Underhill, acting assistant attorney general in charge of the antitrust division, said that "since gum farmers are paid for the estimated rosin and turpentine content of their crude gum on the basis of Savannah Exchange prices, those prices are a basic cost item affecting the price to the ultimate consumer. It is therefore essential that the operation of the Savannah Exchange be freed from all artificial restraints so that farmers and processors will be given an opportunity to sell their products at prices which are not fixed by collusion among the buyers."

Naval Stores Conservation

—*Continued from page 3*

cents for each properly installed first-year face on trees not less than ten inches in diameter at breast height; (4) continuation—cupping—ten inches, payment of 2 cents for continued working of each second face which was installed under the ten-inch diameter cupping practice in 1950; (5) diameter cupping—eleven inches, payment of 4½ cents will be made for each properly installed first-year face on trees not less than eleven inches in diameter at breast height; (6) continuation-diameter cupping—eleven inches, payment of 2½ cents for continued proper working of each second and third year face that was qualified under eleven-inch diameter cupping in 1949 or 1950. Also (7)—restricted cupping, payment of 5 cents will be made for new faces installed on previously worked trees; (8) continuation—restricted cupping, payment of 2½ cents will be made for proper working of each face which was installed under the restricted cupping practice in 1950; (9) selective cupping, payment of 7 cents will be made for each properly installed first-year face on trees which have been selectively marked to meet the specific requirements of this practice; (10) continuation—selective cupping, payment of 3 cents will be made for continued working of second, third, fourth or fifth year faces originally installed under the selective cupping practice; (11) payments of 8 cents and 3½ cents, respectively, will be made for selective recupping and the continuation of selective recupping, and (12) payment of 8 cents to 11 cents for each face accepted for pilot plant tests for controlled experiments in new methods and equipment for gum production. To qualify for these payments, participants are also required to follow approved practices relative to fire protection and timber cutting.

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Oils, Fats and Waxes

Although there was a noticeable slackening in consuming inquiry for oils and fats last week, active demand continued for delivery against current contracts. Prices for most items remained steady and the index advanced .6 point.

Edible vegetable oils were unchanged and steady, except crude cottonseed oil which was off fractionally. However, offerings were scanty and closely held. Soybean oil was off fractionally, especially prompt and forward shipment. Corn oil was firmer, while peanut oil was higher for prompt shipment.

Animal oils also were maintained at current levels, reflecting the firmness of tallow and greases. Domestic trading in the latter was light, though active export business at premiums continued to feature the market.

Scarcity of palm oil at primary centers and active foreign demand continued to strengthen spot stocks which were lifted fractionally.

Crude sardine oil was sold up and resale oil was moved at an increase of ½ cent per pound. Refined fish oil, reflected this advance and was firm, while other drying oils were easier. Linseed oil was cut fractionally for prompt delivery while futures were stronger due to the firmness of flaxseed. Tung oil continued unsettled and could have been shaded on firm bids for round lot business.

Carnauba wax was further strengthened by the higher cost of replacements and the disappearance of cheap lots from the local market. Prices were advanced from 2 to 3 cents per pound, depending upon grade. Candelilla was steady and beeswax firm with the high cost of crude, while refined ouricury was lower due to increased selling pressure.

Market Trends

Prices Advanced

Carnauba wax, No. 3, 3c. per lb.
refined, 3c. per lb.
No. 1, yellow, 2c. per lb.
No. 2, yellow, 2c. per lb.
Corn oil, ¼c. per lb.
Menhaden oil, crude, ½c. per lb.
Olive foots, 1c. per lb.
Palm oil, ¼c. per lb.
Peanut oil, 1c. per lb.
Sardine oil, crude, ½c. per lb.

Prices Reduced

Cottonseed oil, crude, ¼c. per lb.
Linseed oil, ½c. per lb.
Ouricury wax, 2c. per lb.
Soybean oil, ¼c. per lb.
Tung oil, ¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Oct. 14, 1949
155.9	155.3	164.2	111.3	112.5

(For Current Prices see Page 9)

Cottonseed Oil

Bleachable cottonseed oil remained firm despite easier crude oil, lard and smaller government soybean crop estimate. Trading was quite active. Price changes were narrow and moderately higher. Trading was of a general character, with hedging fairly active. The open interest was increased to 5,300 contracts.

Crude cottonseed oil was easier, with trading light. Tankcars were bid at 17½c. per pound, in the Southeast and Valley and 17c. in Texas.

Cotton crop was estimated at 9,369,000 bales as of October 1, by the Department of Agriculture, against 9,832,000 bales, September, and the last year's production of 16,128,000 bales. The 1939-48 average is 11,590,000 bales. Condition was placed at 64 percent of normal compared with 68 percent, September 1, and 74 percent a year ago. The department stated that this is the smallest prospective production since 1934, with the exception of 1945 and 1946. Recently the department lifted all restrictions on production for 1951 suspending marketing quotas and acreage allotments. The Census Bureau reported that if the ratio of lint to cottonseed is the same as the 1945-49 average, cottonseed production this year would be 3,997,000 tons, compared with 6,613,000 tons in 1949 and 1939-48 average of 4,751,000 tons.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended October 13 follow:—

	Sales	Cents per pound—High	Low	Close
October	146	20.37	19.72	Expired
December	625	20.27	19.53	19.54S
March	318	20.11	19.75	19.73@19.64
May	724	20.10	19.35	19.57S
July	204	19.85	19.12	19.35S
September	4	18.10	17.95	18.20@18.30

Total sales, 2,021 tankcars, including switches.

Memphis—Crude cottonseed oil held at 17¾c. per pound, tankcars, f.o.b. mills, prompt, and crude soybean oil at 14½c., same basis. Business was light. Cottonseed meal, 41 percent, hydraulic, $69 per ton and $68 solvent, f.o.b. mills, Memphis. Cottonseed hulls, $11 per ton, bulk, Memphis, and $10 Valley.

Linseed Oil

This market was unsettled for nearby delivery last week and October was cut 1½c. per pound, to 18.80c. per pound, tankcars, Zone 3. Futures, however, were reported stronger following active trading at lower levels. Sales were reported on the basis of 14.50c. per pound, tankcars January-forward delivery, and later crushers were holding at 14.80c. Oil for November delivery was quoted at 15.40c. and December, 15c. Demand for prompt delivery was slow last week, chiefly for small lots for immediate needs.

Flaxseed production as of October 1 was forecast at 35,224,000 bushels by the Department of Agriculture, compared with 34,142,000 bushels. September 1; the 1949 production of 43,664,000 bushels and 34,752,000 bushels, the 1939-48 average.

Minneapolis—There was a little linseed oil business booked the past week as crushers again revised their prices downward. Bookings were mostly for forward needs, with paint manufacturers and other customers extending deliveries into the first quarter of 1951. Business was accomplished at the lower levels. The situation on November and December oil was somewhat tighter. Raw linseed oil for first half October delivery was quoted at 15.2c. per pound, tankcars, f.o.b. Minneapolis; last half October at 14.7c., November at 14.4c., December at 14c., and January forward at 13.8c. a pound. Shipping directions were still excellent and at a high level.

Shipments of linseed oil, in pounds, were as follows:—

	1950-51	1949-50
Past week	10,920,000	9,480,000
Since Sept. 1	60,060,000	63,180,000

Flaxseed—Trading light due to light offerings and lower bids. Market firm.

Minneapolis—Crushers picked up very little flaxseed the past week as producers withheld offerings at the lower levels. Crushers reduced bids another 5c. a bushel to $3.25 early in the week, and this cut off marketings sharply. Bookings on a to-arrive basis totaled only 170 cars, as compared with 1,035 in the preceding week. Several thousand bushels of seed were bought at $3.25, but most of the sales were made at $3.30. Actual receipts totaled 661 cars, mostly applying on previously-made to-arrive bookings. Shipments of seed were light, amounting to 56 cars for the week. One large elevator firm shipped 341,200 bushels to Buffalo via the Great Lakes.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts 1950-51	Receipts 1949-50	Shipments 1950-51	Shipments 1949-50
Bushels—				
Past week	1,057,400	408,000	79,900	34,000
Since Sept. 1	8,092,900	7,438,700	943,500	596,700

Fats and Greases

Greases—Business was reported light. Market remained steady. Prices were unchanged for all grades. Export inquiry was quite active and a moderate volume of sales took place at usual premiums for export.

Lard—This market was inactive and unsteady. Business was light and mainly for immediate requirements. Export inquiry also was quiet. Pure refined lard was nominal at 14¼c. per pound, containers, f.a.s.

Tallow—Consuming inquiry was active. Market was firm. Trading was restricted owing to light offers at prevailing quotations. Small buyers paid premiums of at least ¼c. for tankcar quantities locally while soapers purchased moderate lots at outside points at unchanged quotations.

Other Vegetable Oils

Castor Dehydrated—This market was firm, reflecting the high cost of beans. Prices were unchanged and well held.

Coconut—Trading was slow. Crude oil was easier at 15½c. per pound, tankcars, f.o.b. Pacific coast. October shipment, and 15¼c. November.

Copra—This market was firmer due to foreign buying and shipments were advanced at $210 per short ton, c.i.f. Pacific coast.

Corn—Crude oil was higher and sold at 17c. per pound, tankcars, f.o.b. mills. Trading was limited. Refined oil was firmer at 20½c. per pound, tankcars, New York basis.

Oiticica—Consuming inquiry was reported light. Prices were unchanged at 20c. to 20½c. per pound, tankcars, New York delivery, depending upon seller. Arrivals at New York totaled 550 tons last week.

Olive—Trading in edible oil was practically at a standstill, due to non-receipt of official offers for shipment from Spain as

For Late Market Developments, See Page 4

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401 N. Broad St., Philadelphia 8, Pa.
Warehouse stocks also in St. Louis, Buffalo and Baltimore.

Export Dept.: 5035 R. C. A. Bldg., New York 20, N. Y.

to quantity and price. Recent reports from Spain were to the effect that one-third of former contracts booked at less than $65 per 100 kilos would be shipped at that figure, but the trade is still awaiting official confirmation. Stocks on the spot are light and quoted nominally at $3.25 per gallon, drums, duty paid. Olive foots on spot were higher and held at 17¼c. to 17½c. per pound, drums, as to quantity. Shipments were quoted at 14½c., drums, carlots, and 13½c., tankcars, November arrival. Imports of edible oil totaled 2,000 drums at Baltimore and 845 drums at Boston from Spain last week.

Palm—Scarcity of oil for shipment and limited quantities on the spot further strengthened the market and prices were raised about ¼c. per pound. Drums were held at 16.55c. per pound, and tankcars, 15.35c. per pound, November delivery, New York.

The Belgian Congo is becoming an increasingly important source of palm oil. Exports in 1949 of 134,000 short tons were nearly double the prewar average, and only Nigeria outranked the Congo in total exports. The Congo, moreover, has been the principal source of palm oil imported by the United States in recent years, having replaced Indonesia, where postwar exports have been held to a fraction of the prewar average. The area under commercial production has increased from about 414,000 acres in 1946 to 484,000 acres in 1949. Some of the increase has been in native holdings, but the sharpest increase in the past few years has been in the exploitation of natural palm areas by Europeans.

Peanut—Crude oil was firmer at 19½c. per pound, tankcars, f.o.b. mills. Refined oil also was nominal at 23c. per pound, tankcars, New York delivery. Peanut crop was forecast at 1,676,890,000 pounds as of October 1 by the Department of Agriculture, against 1,655,895,000 pounds, September 1; 1,875,825,000 pounds produced in 1949 and 1,950,690,000 pounds the 1939-48 average.

Rice Bran—Supplies for spot delivery were still scarce, and offers of new crop were restricted to November-December delivery at 16c. per pound, tankcars, New York.

Soybean—Crude oil was easier, off ¼c. per pound. Crude oil sold at 14c. spot; October 13¼c.; 12½c. November, 12¼c. December and 12c. January-June. Refined edible oil was quoted nominally at 16½c. per pound, tankcars, New York delivery. Soybean crop was forecast as of October 1 at 275,256,000 bushels by the Department of Agriculture, compared with 274,702,000 bushels, September 1; 222,305,000 bushels, the 1949 production, and 164,491,000 bushels, 1939-48 average.

Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended October 13 follow:—

	Sales	Cents per pound High	Low	Close
October	71	13.50	12.96	13.00@13.12
November	21	12.90	12.35	12.54S
December	28	12.75	12.25	12.25@12.35
January	4	12.75	12.43	12.15@12.20
March	32	12.60	12.14	12.14S
May	158	12.60	12.05	12.13S
July	40	12.50	12.05	12.10S
August	..	....	....	11.92B
September	..	....	....	11.88@12.10

Total sales, 354 tankcars and switches.

Tung—Quiet demand and more selling interest continued to keep the market unsettled. Prices were easy and nominal at 24½c. per pound, tankcars, New York, prompt shipment, and 24¼c. for futures. Firm bids, it was intimated, could have shaded these figure for roundlots. Drums were quoted at 25c. to 26c. per pound, depending upon quantity and seller.

Animal Oils

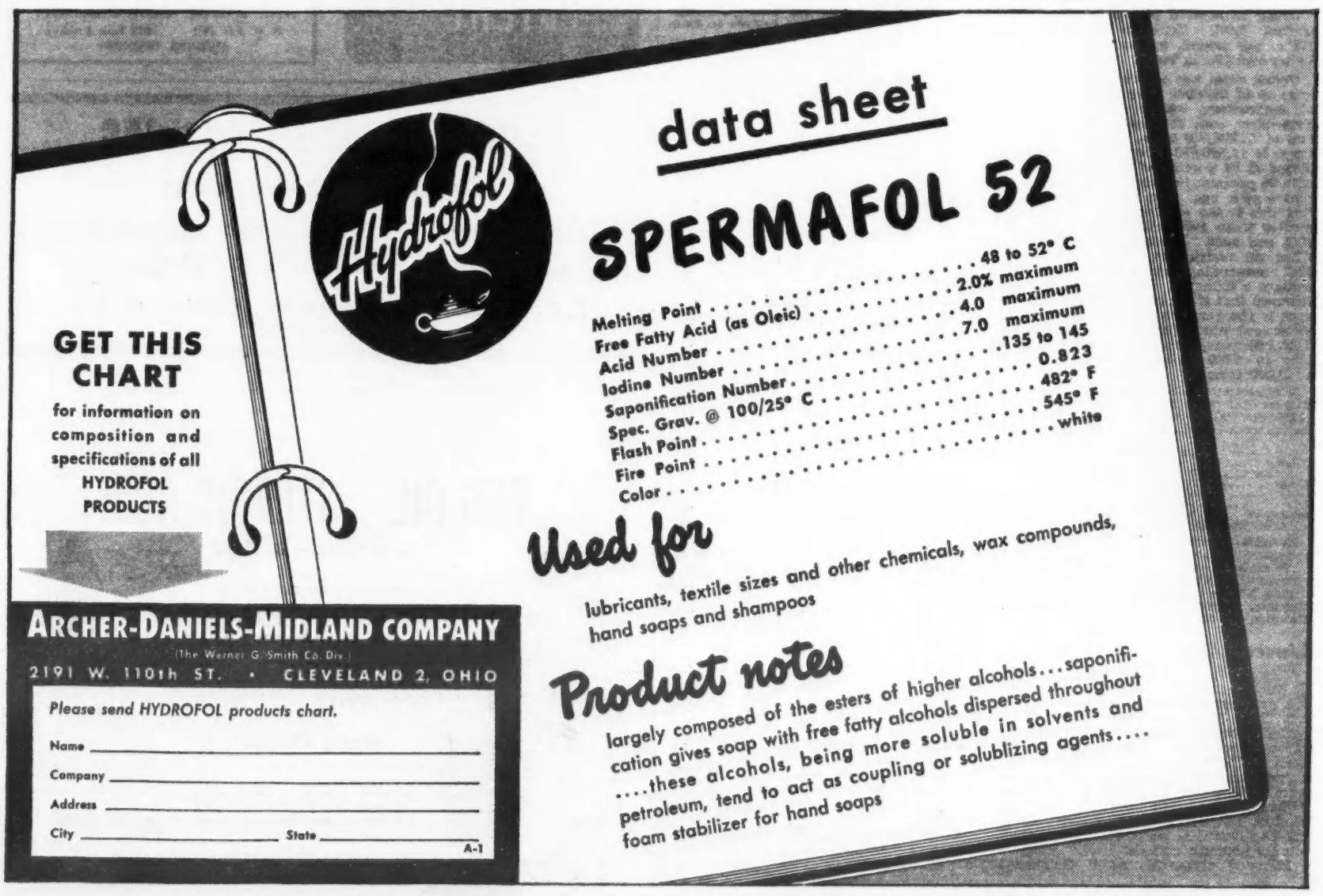
Buying interest was reported fair, mainly for prompt needs. Crude and refined degras continued firm. Grease oils were in light demand, but steady at the recent price decline. Tallow oil was quiet and quotably unchanged. Oleo oil and stearine were inactive and entirely nominal.

Fish Oils

Refined grades were steady at the recent drop of 1c. per pound. Business was light and spotty. Crude oil was scarce and nominal. Sardine oil was firmer, with light sales at 11½c., tankcars, f.o.b. Pacific coast. Crude menhaden was scarce and higher at 11c., tankcars, f.o.b. Atlantic coast.

Menhaden oil production totaled 6,612,510 gallons for eight months ending August, against 5,776,130 gallons for the same period last year. Production of sardine oil amounted to 1,100,100 gallons to the end of August, compared with 421,330 gallons for the same period last year, while the output of herring oil totaled 2,392,078 gallons, against 504,727 gallons a year ago.

Los Angeles—Market stronger with crude sardine oil sales reported last week at 11½c. per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Melting Point . . . . . 48 to 52° C
Free Fatty Acid (as Oleic) . . . . . 2.0% maximum
Acid Number . . . . . 4.0 maximum
Iodine Number . . . . . 7.0 maximum
Saponification Number . . . . . 135 to 145
Spec. Grav. @ 100/25° C 0.823
Flash Point . . . . . 482° F
Fire Point . . . . . 545° F
Color . . . . . white
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Product notes
largely composed of the esters of higher alcohols . . . saponification gives soap with free fatty alcohols dispersed throughout . . . . these alcohols, being more soluble in solvents and petroleum, tend to act as coupling or solublizing agents . . . . foam stabilizer for hand soaps
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pound, f.o.b. San Pedro. The pilchard season for Southern California to date has been very successful with landings of 76,209 tons through October 9 compared to 1,200 tons for the same period last year. Fishing at Monterey is completely without note, sardine landings being less than one-third of last year's total, and no sales of oil have been recorded in that area. Approximately two cars of tuna oil were moved at 8c. per pound, f.o.b. San Pedro.

Fatty Acids

Steady consuming call for red oil and stearic acid was noted against recent orders and new business also was of good volume. Prices were without change and firm. Vegetable fatty acids were in fair request for prompt needs. All grades were quotably unchanged.

Cake and Meal

Cottonseed Cake and Meal — Market was steady with 41 percent loose slab cake offered at $63 per ton, immediate shipment; $61.50 November-December shipment, Mississippi Valley points. Forty-one percent sacked meal was quoted at $69 per ton Memphis and $73 Georgia and Alabama mills, October shipment. Carolina mills still selling 41 percent meal at $75 to $76 f.o.b. mills.

Linseed Meal—Prices were easy due to slow demand. Offerings continued liberal.

Minneapolis—The linseed meal picture was little changed from a week ago. Pressure was noted on spot offerings and demand light on forward needs. Linseed meal production continued heavy, holding prices in check even though demand at current levels was said to be improving in the cattle feeding sections. Extracted linseed meal was quoted at $54 a ton, bulk, in carlots, f.o.b. Minneapolis, for spot shipment; $55 for all October, and $56.50 for November-January shipment. Expeller meal was quoted at $56.50 for spot and October shipment, and at $57.50 for November forward. Shipping directions slipped a bit, but they were still at a good rate.

Shipments of linseed meal, in pounds, were as follows:—

	1950-51	1949-50
Past week	17,580,000	14,160,000
Since Sept. 1	110,680,000	108,050,000

Peanut Meal—Government began to release fairly good tonnages of peanuts for crushing. Last week's total was about 1,400 tons peanut meal in the Southeast. Exporters bought small lots of meal for shipment abroad and the market held steady. Forty-five percent old process meal was quoted at $65.50 to $64.50 basis South Georgia mill points, October shipment.

Soybean Meal—Forty-four percent bulk meal was quoted at $52 50 per ton Decatur, October-November-December shipment. Very few producers are offering "round the clock." Occasional cars of Southeastern production meal were offered at $59 to $60 per ton sacked, f.o.b. mills.

Waxes

Beeswax—This market remained steady for both crude and refined grades. Offerings of crude were slightly freer, but not sufficient to disturb the market. Prices were maintained at former levels. Business was moderate, chiefly for prompt needs.

Candelilla—Prices were firm at the recent advance, and reflect the clearance of stocks that were pressing on the market. Crude was held at 60c. to 62c. and refined, 64c. to 66c., depending upon quantity.

Carnauba — Further strength featured this market due to higher cost of replacements. The cleaning up of cheap lots here also was a contributing factor. No. 3, crude was advanced to 83c. to 85c. per pound, and refined to 87c. to 89c., spot, according to quantity. No. 1 yellow also higher at $1.02 to $1.04 per pound, and No. 2 at $1 to $1.02, as to quantity.

Ouricury—Refined wax was easier and declined 2c. to 82c. to 84c. per pound, on spot owing to lower cost of shipments and increased offers here.

Soybean Crush: August

Soybeans received and crushed and production of soybean oil and meal during August and July, 1950, as compiled by Bureau of the Census, follows:—

Soybeans

	Aug. 1950	July 1950
	Tons	
Receipts	153,128	194,246
Crushed	462,485	469,114
Stocks at mills	270,102	379,459

Crude Oil

	Pounds	
Produced	157,026,000	159,261,000
Stocks at mills	27,478,000	53,731,000

Refined Oil

	Pounds	
Produced	166,442,000	169,087,000
Factory and whse. stocks	67,137,000	73,394,000

Cake and Meal

	Tons	
Produced	363,695	364,048
Stocks at mills	49,182	49,995

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Color Gardner 1933—After Heat Test to 500° F.	4-7
Unsaponifiable %	0.3-1.5
Saponification Value	198-202
Acid Value	197-201
Iodine Value	125-135

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Aluminum Stockpiling Probe Set Nov. 1 by House Group

An investigation will be made by the monopoly subcommittee of the house judiciary committee of the aluminum stockpiling policies of the Army, it was announced October 9 by Representative Emanuel Celler of New York, chairman. Public hearings are scheduled for November 1 and 2.

In a statement announcing the investigation, Mr. Celler outlined a number of the questions that have been raised for which the committee will seek the answers. He said that he understands the Munitions Board has been considering a proposal by the Aluminum Company of Canada to be the exclusive provider of aluminum for stockpile requirements for three years. Among the questions to be propounded are:—

"What are the arguments for and against, both from a security and a monopoly standpoint, favoring an award of such a contract to the Canadian subsidiary of Alcoa, already by far the largest aluminum company in the world?

"Does the record of the Canadian concern, in preferring foreign sales to the needs of the United States, justify the contract?

"What effect would the award of such a contract to the Canadian company have on their competitive position, and what on the competitive position of the domestic producers now and in the future?

"What may be the aluminum requirements of this country in the defense program, and, if additional production capacity is required, where should it be located?"

AMA Establishes New Committee on Pesticides

The American Medical Association has established a committee on pesticides to study the health problems associated with the use of insecticides, rodenticides, fungicides, herbicides and similar types of economic poisons. As part of its study on the safety and effectiveness of these chemicals, the committee, which operates out of AMA headquarters in Chicago, is undertaking an educational program to aid physicians and other health officers in recognizing and overcoming the difficulties presented by some of the newer compounds.

The first of a series of committee reports on the medical aspects of pesticides has already been published in the AMA journal. A reprint of the report, entitled, "The Pharmacology and Toxicology of Certain Organic Phosphorus Insecticides," is available upon request to the committee.

Sigma Chemical Company Has Glucuronidase Indicator

Sigma Chemical Company, St. Louis, Mo., is currently offering the 0.1 molal solution of phenolphthalein glucuronic acid as an indicator of glucuronidase activity. By using this standardized solution of the acid, it is claimed that research and clinical laboratories can eliminate the laborious procedure formerly necessary for preparing this solution from the previously available cinchonidine salt of phenolphthalein glucuronic acid.

Atlantic Research Forms Organic Synthesis Group

Atlantic Research Corporation, Alexandria, Va., has established an organic synthesis group to synthesize compounds not generally available through commercial supply houses. According to a company announcement, the service is being instituted to fill the need for additional "custom" synthesis facilities in the chemical industry and to provide a source of supply for not-readily-available compounds called for in research programs.

Proprietary Ass'n Foreign Trade Dinner Set Oct. 31

The foreign trade section of the Proprietary Association will meet for cocktails and dinner October 31 at 6:30 p.m. at the Biltmore hotel, New York. Although the National Foreign Trade Convention will be held in New York October 30 to November 1, the Proprietary Association's dinner meeting will not conflict with sessions of the national group.

Appearance Measurement Course To be Conducted Nov. 27-Dec. 1

A course in "Appearance Measurement" will be conducted November 27 to December 1 at the Henry A. Gardner Laboratory, Bethesda, Md. The instruction consists of two lectures per day for a period of one week. The course is designed to help technologists to make and interpret measurements and the appearance of such materials as paints, papers, ceramics, leathers, plastics, textiles, rubbers, oils and foods. There will also be laboratory periods, appearance-measurement instruments to be provided by Gardner. Details may be obtained from Gardner, 4723 Elm street, Bethesda 14.

Indiana Standard Sets Up Benefits Program

Standard Oil Company (Indiana), Chicago, has announced that employees entering active duty in the armed forces after a year or more of company service will be given special compensation up to a maximum of two months' pay. They will also have their rights protected under existing employee benefit plans covering vacation, retirement, hospital and surgical insurance, sickness and disability, and savings and stock bonus.

All Standard employees, regardless of the length of company service, who enter the armed forces will be granted leaves of absence and will be guaranteed their old jobs, or equivalents, when they return as covered by the amended selective service act. The plan is retroactive to June 25, 1950.

FSA Representative to Attend Geneva ILO Petroleum Meeting

John L. Thurston, Federal Security Agency assistant administrator for petroleum, has been designated U. S. representative at the third meeting of the International Labor Organization's labor committee, which convenes its two-week session in Geneva, Switzerland, October 24. Mr. Thurston will also confer with the International Refugee Organization in Geneva, and plans business trips to Paris, Rome, Berlin, Frankfurt and London.

Foster in Charity Post

The appointment of Austin T. Foster, general counsel of the Socony-Vacuum Oil Company, New York, as chairman of the 1950-51 program support fund of the Community Service Society, New York, has been announced. A goal of $1,000,000 has been set for contributions during the year to enable the Society to carry on its work in behalf of 30,000 families in New York City. The Community Service Society is the largest private nonsectarian family and health agency in the United States.

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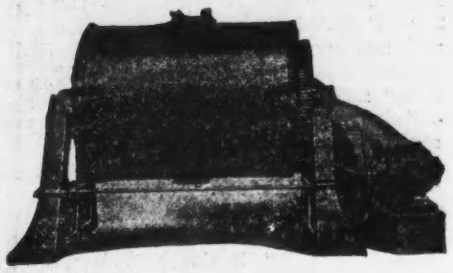

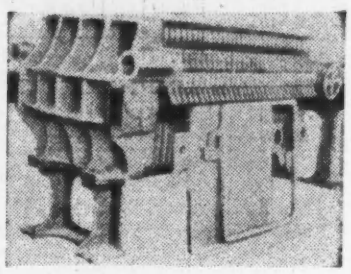

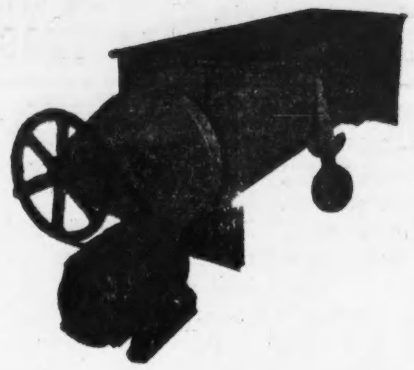

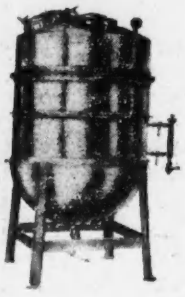

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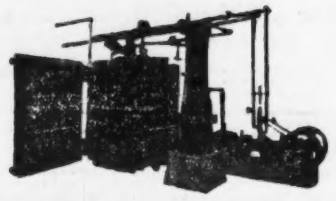

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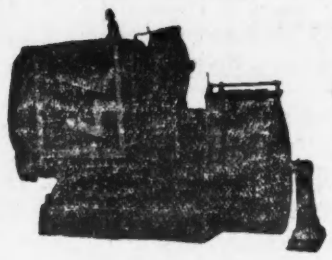

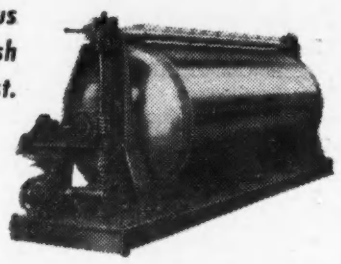

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1—Steel Tank, 67,500 gals.
1—500 gal. Vert. Glass-Lined Tank.
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1—Sweetland Filter, No. 5, 15 leaves.
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2—Plate & Frame Filters, 25", open del.
1—Patterson Pebble Mill, 36" dia. x 42".
1—300 gal. Steam Jacketed Double Arm Mixer.
2—Ransome Rotary Agitators, 9' dia. x 11'6".
4—Stokes Rotary Tablet Machines RD4.
10—New Sharples Oil Purifiers.
6—New Clevon Can Filling Machines.

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3—9" x 24" motor driven roller mills.
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PONY MIXERS from 2½ gallons to 40 gallons.
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1—Paterson 6' x 5' watercooled steel ball mill.
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The best in reconditioned machinery.
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Mikro Pulverizer, 24", w/m.

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1 VAC PAN, 6' Rogers, copper, 180 sq. ft.

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1—ATM Co. SS., 24" Sus. Style Solid Basket Centrifuge, DMD.
3—Bartlett Snow 8' x 3' Stainless Steel Direct Heat Pan Dryers, 1,000 gals.; Agitators & 25 H.P. Motors.
4—Type 347 S.S. Bubble Cap Columns, 6' x 30'.
1—Lancaster EAG-4 Stainless Steel Mixer, 59" dia., 10 H.P. Motor.
3—Stainless Steel Tube Condensers, 50 to 75 sq. ft. surface.
5—W. & P. 100 gal. Stainless Steel Mixers, Double Arm.
3—Stokes "R" & "T" Single Punch Presses.
2—Day 40 gal. Pony Mixers.
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3—Louisville Rotary Steam Tube Dryers, 4' x 30' L.
1—Aluminum 1,000 gal. Reaction Kettle, jacketed, agitated, coils.
3—Nickel Lined Tanks, 300 gal.
2—Stainless Tanks, T304, 6,000 gal., Horiz.
3—Stainless Kettles, T347, 1,000 gal., flat top, agitated, non-jacketed.
20—Pfaudler Horiz. Glass Lined Tanks, 7,500 gal. & 8,250 gal.
40—Stainless Clad Jacketed Kettles, 40 gal., 60 gal., 80 gal., 100 gal., 150 gal.
3—Filter Presses, Wood P&F, 36".
8—Filter Presses, C.I. P&F, 10", 12", 18", 24".
1—Rotary Vacuum Filter, 8' x 8', acid proof.
1—Sweetland #10 Filter, Monel leaves.
1—Deep Well Pump, 150 GPM, 225 suction, 100' discharge, 20 HP motor. In original crates.
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1—Kinney DVD High Vacuum Pump.
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3—B&J Rotary Cutters, #1, #2½.
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2—Abbe Eng. Pebble Mills, size 1-B, 6' dia. x 8' long.
4—Selectro Vibrating Screens, 2' x 7', enclosed, stainless steel.

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3—Stainless Steel Jacketed Vacuum Reactors with agitators, 1,000 gals. cap.
1—Stainless Steel Jacketed Vacuum Kettle, 500 gals. cap.
2—Orville Simpson #41 Rotex Screens.
1—Mikro Bantam Bronze Pulverizer #5H.
10—Shriver & Sperry Filter Presses, 7" to 42".
1—Buflovak Double Drum, Chrome-Plated Dryers, 32" x 90".

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IMMEDIATE DELIVERY

5 Louisville Steam Tube Dryers, all sizes.
Patterson 1,200 gal. Nickel Sprayed Reactor, Jkfd. & Agtd., 6' x 6', ASME code.
Pfaudler 3,000 gal. Glass-Lined Storage Tank, perfect condition.
Buflovac 500 gal. Autoclave, 1,000 PSI.
S.S. Spray Dryer, 6' x 9'.
Robinson Rotary S.S. Sifter, 20" x 30", 1½ HP.
Patterson Ball Mill, 3½' x 4', jkfd., Chrome Manganese Steel Lined, 10 HP.
Ross 12 x 30 Hy-Speed 3 Roll Mill, water cooled, 20 HP motor, late model.
Stokes RD3 Tablet Machine, 3 HP motor.
Shriver 36" Jkfd. Iron Filter Press.
Tolhurst 26" S.S. Centrifuge, plow & bottom dump, 10 HP exp. motor.
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1—Continuous Crystallizer, 2'x15'.
1—#00 Banbury Mixer.
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1—Tolhurst 26" Suspended Centrifugal, steel perforated basket.
1—AT&M 48" Suspended Centrifugal stainless steel imperforate basket.
6—Sweetland Filters, #12, 7, 2.
2—Sweetland Filters, #2, solid stainless.
5—Oliver Rotary Vac. Filters, 11'6"x18', 8'x12', 8'x8', 6'x6', 3'x3'.
1—Swenson 4'x5' Rotary Vac. Filter.
9—Patterson, Abbe Pebble Mills, 6'x8', 5'x6', 4'x5', 4'x4', 3'x4', 3'x3'6", 2'x3', motor driven.
3—Mikro Pulverizers, 4TH, 2DH, 1SH.
7—Rotex Sifters, 20"x48", 40"x56", 40"x 84", 40"x124" Single, Double, Triple Deck.
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2—Baker Perkins 100 gal. steam jacketed, sigma arms, double geared Mixers.
3—Baker Perkins Mixers, 20, 9, 2 gal.
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Modglin Names Kidd

Ray L. Kidd, former New York division manager for Modglin Company, Los Angeles, Calif., has been appointed general sales manager of the concern. Mr. Kidd has been in the Modglin sales organization for three years. Prior to joining Modglin he had operated a flight training school in New Orleans, La., and earlier had been inspection manager for Douglas Aircraft Company.

Tenn. Eastman Issues Booklet

A booklet describing the new water-soluble cellulosic, sodium cellulose sulphate (SCS), has been published by the Tennessee Eastman Corporation, Kingsport, Tenn.

OFFERINGS FROM STOCK

New Pfaudler 65 gal. Glass-Lined Kettles.
Mikro #1 SH Pulverizers 3 HP Other sizes
6—Anderson Oil Expellers, #1 & Duo.
6—French Oil Expellers 40 HP XPF M.D.
1—#00 Raymond Mill 30 HP complete.
4—French Oil 400-Ton Linseed Presses.
1—Dopp 1,000 gal. Jack Agit Kettle.
1—#7 Sweetland Filter bottom drainage
2—Orville Simpson 20"x37" double deck Rotex Sifters. Other sizes, 1 to 3 deck.
1—Lehman 4 Roll W C, 12"x36" Steel Mill.
1—Hardinge Conical Ball Mill. 4½'x24"
4—Allbright-Nell 4'x9' Atmos. Drum Dryers & Flakers.
1—Devine No. 3 Vac. 4 Shelf Dryer.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x20".
1—Century 2 HP, 4 speed Vert. Mixer.
3—Baker Perkins heavy duty Jack Mixers. 200. 100. 50, & 9 gals.
Stokes #2E Paste Filler, fills to 5 gals.
Impreg. Units, Lab. or Pilot Plant & up.
2—Abbe Pebble Mills, 6'x8' & 60"x48".
8—Abbe Jar Mills, Lab. to 6 gal. sizes.
2—Master drum type Blenders, 1,000#.
15—Sperry & Shriver, 12", 18" 24" 30", 32", 42" Iron & Wood Filter Presses.
2—12" Bronze & Rubber Filter Presses.
Extra 36" Iron Sperry Plates & Frames.
1—Allis-Chalmers 1 HP Gyratory Sifter.
3—Tyler 38 Jr. Hummer Screens, 20"x60"
2—Robinson No. 10 Saw Tooth Crushers.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
8—Lehman & Kent 3-Roll Steel Mills. 3"x9", 8"x22", 9"x32", 12"x30", 16"x40".
1—9"x24", 3 pair high, Steel Roller Mill, corrugated.
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ½" to 3".
1—Robinson 22" Ball Bearing Attrition Mill, double pulleys.
11—Sharples No. 5A Stainless Oil Centrifuges. 7 HP Also No. 6.
10 HP Stainless Colloid Mill. Other sizes 1 to 50 HP.
2—DeLaval Multi. Clarifiers, #300 & 301.
Devine 500, 300 & 1,000 gal. closed steel Kettles & Stills, 250 gal. lead lined kettle.
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6—Centrifugals, 26", 30" & 40".
4—#00 & #0000 Raymond Mills.
6—Lead & Paste Mixers to 300 gals.
2—Worth 12"x12"x12" Vac. Pumps.
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Kettle: 10 gal. st. steel, jack., agitated.
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Filter Presses: 7" 12" 24" 36" cast iron.
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Ross 1,000 lb. jacketed mixer.
Tolhurst 46" 2 speed centrifuge.
Frederiking 1,500 gal. pressure vessel, 2½" plate, jacketed.

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Day 11' Split Ribbon Mixer, 2 section, 3000# cap.
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Simpson Intensive Mixer.
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Kettles	Plastic Machinery
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Steel Drums—immediate delivery, carload lots only. Shipping point—Cincinnati, Ohio, open top nested or 9" Friction opening, for shipping Tar, Pitch, Resins, etc., or powdered products. Columbia Can Company, Inc., 315 Wyckoff Avenue, Brooklyn 27, N. Y.

Tin Cans—screw top oblong or round with friction plug openings, for liquids or powders. Always in stock, prompt delivery, all capacities. Columbia Can Company, Inc., 315 Wyckoff Ave., Brooklyn 27, N. Y. HEgeman 3-1571.

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Do not wait until conditions further limit prospects of disposing of top-heavy inventories; will purchase surplus unshipped commodities, all kinds. Particularly interested in pigments, chemicals, dyes, colors, waxes, drugs, pharmaceuticals, etc. OPD 476.

Titanium Dioxide Pigments (any grade) needed to carry on our business. Not interested in any 85c or 95c Black Market deals. Would appreciate a few bags from manufacturing concerns who can possibly spare some. Will pay any reasonable premium or exchange for other critical chemicals. Samuel Smidt Chemical Co., 410 Frelinghuysen Ave., Newark 5, N. J.

Centrifuge, Stainless steel wanted. Approximately 20" diameter. Perforated basket and equipped with plow type unloader. Must be in good operating condition. Storage Tanks, Stainless Steel and Aluminium also wanted. 2,000 to 5,000 gallon capacity, 6 ft. maximum diameter. Must be in first class condition. Write P.O. Box 311, Framingham, Mass.

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Superintendent to operate large Eastern Vegetable Oil Refinery—must have 10 or more years experience and be familiar with both batch and continuous methods. Excellent opportunity in established company. Please supply full details and experience. Box 475.

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Experienced producer of textile finishes, including recently developed novelties, would like to confer with manufacturer who wants to increase his line, or with interested dealer. OPD 507.

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Defense Transport Agency Officials Named by Knudson

The three top positions in the Defense Transportation Agency were filled last week by James K. Knudson, head of the agency, with former officials of the old Office of Defense Transportation. DTA was established October 5 to exercise the priorities and control authorities in the transportation field under the defense program.

Homer C. King was named deputy administrator of the new agency. At the present time, he is director of the bureau of service of the Interstate Commerce Commission. He served as executive assistant to the director and later as deputy director in the old ODT set up.

Walter S. Rainville, jr., was appointed executive assistant to the administrator. He is director of research for the American Transit Association, New York, and during the war was director of equipment and research for ODT's highway transport department.

Francis A. Silver, now on the staff of the National Securities Resources Board, was named general counsel of the new agency. He served in a like capacity to ODT during the war.

Fertilizer Control Officials Elect R. C. Berry President

R. C. Berry of Richmond, Va., was elected president of the Association of American Fertilizer Control Officials at its fourth annual convention held October 6 at the Shoreham hotel, Washington, D. C. John B. Smith, retiring president, was named to the executive committee of the association.

J. F. Fudge of College Station, Tex., was named and elected from the floor to be vice-president for the ensuing year, succeeding Mr. Berry. B. D. Cloaninger was relected secretary-treasurer. New members of the executive committee are J. D. Patterson of Oregon, T. W. Michael of Ontario, Can., and W. S. Thompson of Ohio. Park A. Yates of Oklahoma continues on the committee.

Nonferrous Metal Export Quotas Set for Oct.-Dec.

The following fourth quarter export quotas on aluminum, lead and zinc were announced October 6 by the Department of Commerce:—Aluminum and aluminum products, 7,000 short tons; lead and lead products, open end, and zinc and zinc products, 6,500 short tons. Filing dates for fourth-quarter submission of license applications have already been announced as October 9 to October 20, inclusive.

Inasmuch as lead has not been placed under quantitative quota, the fourth quarter filing date requirement has been eliminated. Applications for licensing to export lead during the fourth quarter therefore may be submitted any time during the calendar quarter.

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Sodium Aluminate Booklet Issued

Sodium aluminate treatment of industrial and municipal water supplies is described in a new booklet issued by the Merrimac Division of Monsanto Chemical Company, Everett, Mass. The literature discusses the reaction of sodium aluminate as a water softener and clarifier. In addition, the pamphlet covers treatment of boiler feed water and internal boiler water treatment. Preparation of sodium aluminate solutions is also outlined.

Matheson Issues Price List

A new price list on more than 2 400 organic chemicals has just been published by the Matheson Company, East Rutherford, N. J. The list contains the regular line of chemicals plus several hundred new compounds. Copies of the publication are obtainable on request to the company.

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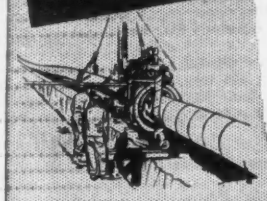

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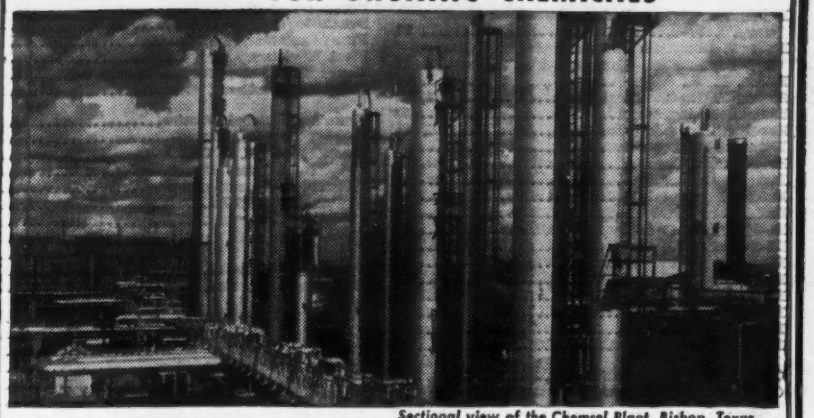

Sectional view of the Chemcel Plant, Bishop, Texas.

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